

20030512.qrp v02_n918.qrl.20030512

Date: Mon, 12 May 2003 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2918

QRP-L Digest 2918

Topics covered in this issue include:

- 1) [150393] Re: Kent Paddles
by <igeq100@iupui.edu>
- 2) [150394] The Improv antenna test
by "Ken Newman" <N2CQ@Dandy.Net>
- 3) [150395] Safety Issue Resolved
by hamjoel@juno.com
- 4) [150396] Final Announcment - 2003 FDI, Dayton, OH May 15-18, 2003
by "Tom Dooley" <tdooley@attbi.com>
- 5) [150397] Re: Autotrax software
by "Bill Jones" <kd7s@psnw.com>
- 6) [150398] Re: Autotrax software
by David M Kopacki <kf2ew@juno.com>
- 7) [150399] Safety
by "W2WU" <w2wurjj@verizon.net>
- 8) [150400] Re: Ground Radial Systems
by Bruce Muscolino <w6toy@erols.com>
- 9) [150401] Re: Kent Paddles
by Bill Stietenroth <k5zty@juno.com>
- 10) [150402] Re: Kent Paddles
by Dave Fouchey <dafouchey@comcast.net>
- 11) [150403] Re: [Safety]
by Michael Goins <mgoins@usa.net>
- 12) [150404] advice on operation in Germany?
by "Mike Mullins" <mmullins@mastnet.net>
- 13) [150405] Re: Kent Paddles
by Hank Kohl K8DD <k8dd@arrl.net>
- 14) [150406] NIMH Shelf Life?
by "Dennis Payton" <dpayton@fwi.com>
- 15) [150407] Re: Kent Paddles
by "kg0mz" <kg0mz@swbell.net>
- 16) [150408] Re: Ground Radial Systems
by Dave Fouchey <dafouchey@comcast.net>
- 17) [150409] AT-Sprint: Filter Board Core?
by Steve.Lawrence@ITWFEG.COM
- 18) [150410] SOLD = W9GR DSP filtre
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 19) [150411] Re: Harbor Freight Inexpensive DMM and 12volt battery

- by WE7X@aol.com
- 20) [150412] RE: advice on operation in Germany?
by "Doc K0EVZ" <dock0evz@earthlink.net>
 - 21) [150413] RE: Ground Radial Systems
by "J. Michael Thurman, WN5T" <jmthurman@centurytel.net>
 - 22) [150414] Re: [Elecraft] RE: advice on operation in Germany?
by Phil Wheeler <w7ox@earthlink.net>
 - 23) [150415] Re: WA7TQA at Indian Cliff?
by "Bill Linn" <blinn@smgazette.com>
 - 24) [150416] Re: Ground Radial Systems
by Brian Short <bshort4@cox.net>
 - 25) [150417] Anyone Copy Armed Forces Day Digital Message??
by Mark Schoonover <schoon@amgt.com>
 - 26) [150418] RFC First Time Solar Power in the Field
by Mark Schoonover <schoon@amgt.com>
 - 27) [150419] Re: Ground Radial Systems
by Ed Tanton <n4xy@earthlink.net>
 - 28) [150420] Re: advice on operation in Germany?
by "Ray Goff" <radioham@gmx.co.uk>
 - 29) [150421] Re: Autotrax software
by "Leon Heller" <leon_heller@hotmail.com>
 - 30) [150422] Re: Autotrax software
by "Leon Heller" <leon_heller@hotmail.com>
 - 31) [150423] RE: NIMH Shelf Life?
by tf3vst@vortex.is (Villi Idunni)
 - 32) [150424] Ni-CDs in parallel
by "Mike Maiorana" <mikemo@attglobal.net>
 - 33) [150425] Michigan QRP Net
by kwike@gdls.com
 - 34) [150426] help wanted with building RF probe at FDIM
by Nancy Rabel Hall <kc4iyd@yahoo.com>
 - 35) [150427] Re: AT-Sprint: Filter Board Core?
by "sslyon" <sslyon@megalink.net>
 - 36) [150428] Re: Ground Radial Systems
by Bruce Muscolino <w6toy@erols.com>
 - 37) [150429] Re: Ground Radial Systems
by Bruce Muscolino <w6toy@erols.com>
 - 38) [150430] Re: advice on operation in Germany?
by Bruce Muscolino <w6toy@erols.com>
 - 39) [150431] QRP Test Equipment
by Chuck Carpenter <w5usj@9plus.net>
 - 40) [150432] Re: RFC First Time Solar Power in the Field
by "TC Dufresne" <tdufresne@neb.rr.com>
 - 41) [150433] Re: RFC First Time Solar Power in the Field
by "Lee Mairs" <lmairs@direcway.com>
 - 42) [150434] AS-2259 NVIS Antennas Available New (NOT Cheap)
by "Michael Melland" <w9wis@charter.net>
 - 43) [150435] QRP Test Equipment [HamCom Oooooops!]

by Chuck Carpenter <w5usj@9plus.net>
44) [150436] Re: NIMH Shelf Life?
by "cal.jsi" <cal.jsi@verizon.net>
45) [150437] Re: QQ
by "Mike Boatright" <ko4wx@mindspring.com>
46) [150438] Re: JFET Sleuthing--more info found
by "Brad Hernlem" <alihernlem@hotmail.com>
47) [150439] Re: RFC First Time Solar Power in the Field
by "Karl F. Larsen" <k5di@zianet.com>
48) [150440] Re: advice on operation in Germany?
by WJuergens@t-online.de (Wolf-Ruediger Juergens)
49) [150441] This is getting bad!
by "Karl F. Larsen" <k5di@zianet.com>
50) [150442] Re: RFC First Time Solar Power in the Field (longish)
by "cal.jsi" <cal.jsi@verizon.net>
51) [150443] AT Sprint - More Pix 'n' Stuff
by Monty N5ESE <n5ese@io.com>
52) [150444] Re: RFC First Time Solar Power in the Field
by "KXBill" <w7kxb@cox.net>
53) [150445] what is the correct cw for qrpp power?
by WJuergens@t-online.de (Wolf-Ruediger Juergens)
54) [150446] RE: advice on operation in Germany?
by DK3RED@t-online.de (Ingo Meyer DK3RED)
55) [150447] Re: advice on operation in Germany?
by "Mike Boatright" <ko4wx@mindspring.com>
56) [150448] Re: what is the correct cw for qrpp power?
by Bruce Muscolino <w6toy@erols.com>
57) [150449] Re: advice on operation in Germany?
by Bruce Muscolino <w6toy@erols.com>
58) [150450] R-1000 or other 'black box' recievers from linux
by "Niel Skousen" <skousen@srv.net>
59) [150451] Re: QRP Test Equipment
by "Mike Boatright" <ko4wx@mindspring.com>
60) [150452] RE: advice on operation in Germany?
by tf3vst@vortex.is (Villi Idunni)
61) [150453] SuSE Linux for Free [long]
by Chuck Adams <k7qo@earthlink.net>
62) [150454] Re: SuSE Linux for Free [long]
by Robin Kidd <robink@us.ibm.com>
63) [150455] Looking for county/state/country border intersection activity site
by "Mike" <kw1nd.web@homeinternet.net>
64) [150456] Re: R-1000 or other 'black box' recievers from linux
by WJuergens@t-online.de (Wolf-Ruediger Juergens)
65) [150457] RE: advice on operation in Germany?
by DK3RED@t-online.de (Ingo Meyer DK3RED)
66) [150458] Re: SuSE Linux for Free [long]
by "laura halliday" <marsgal42@hotmail.com>
67) [150459] Re: RFC First Time Solar Power in the Field

by steve.lawrence@itwfeg.com

68) [150460] Re: what is the correct cw for qrpp power?
by WJuergens@t-online.de (Wolf-Ruediger Juergens)

69) [150461] RE: SuSE Linux for Free [long]
by T + J Williams <wa0eir@comcast.net>

70) [150462] Re: SuSE Linux for Free [long]
by Jim Eshleman <jce0@Lehigh.EDU>

71) [150463] Re: SuSE Linux for Free [long]
by "Mike Yetsko" <myetsko@insydesw.com>

72) [150464] Re: OT SuSE Linux for Free [long]
by KD5NWA <KD5NWA@cbayona.com>

73) [150465] Re: SuSE Linux for Free [long]
by "Paul M" <mooney@cytanet.com.cy>

74) [150466] Re: Looking for county/state/country border intersection activity
site
by ae5x@netscape.net (John Harper AE5X)

75) [150467] Re: SuSE Linux for Free [long]
by Jim Eshleman <jce0@Lehigh.EDU>

76) [150468] Re: SuSE Linux for Free [long]
by "Mike Yetsko" <myetsko@insydesw.com>

77) [150469] Re: SuSE Linux for Free [long]
by "Paul M" <mooney@cytanet.com.cy>

78) [150470] Re: This is getting bad!
by Caitlyn Martin <ku4qd@earthlink.net>

79) [150471] RE: SuSE Linux for Free [long]
by Mark Schoonover <schoon@amgt.com>

80) [150472] Re: SuSE Linux for Free [long]
by Robin Kidd <robink@us.ibm.com>

81) [150473] Re: SuSE Linux for Free [long]
by Jim Eshleman <jce0@Lehigh.EDU>

82) [150474] Need definition please
by "Tom" <kf4yyd@adelphia.net>

83) [150475] Re: Looking for county/state/country border intersection activity
site
by "Mike" <kw1nd.web@homeinternet.net>

84) [150476] Re: SuSE Linux for Free [long]
by Caitlyn Martin <ku4qd@earthlink.net>

85) [150477] RE: SuSE Linux for Free [long]
by T + J Williams <wa0eir@comcast.net>

86) [150478] Re: SuSE Linux for Free [long]
by Bob Nielsen <nielsen@oz.net>

87) [150479] Re: Need definition please
by David Hinerman <WD8CIV@worldnet.att.net>

88) [150480] Closing in on FD & an AH-4 story
by "Nils R. Young" <nilsbull@juno.com>

89) [150481] Re: SuSE Linux for Free
by "Mike" <kw1nd.web@homeinternet.net>

90) [150482] Re: SuSE Linux for Free

- by Jim Eshleman <jce0@Lehigh.EDU>
- 91) [150483] RF Probe
by "Royce Simmons" <w2rbn@prodigy.net>
- 92) [150484] Re: Looking for county/state/country border intersection
activity site
by Larry Cahoon <lejek@erols.com>
- 93) [150485] WTT - K2 for SONY Crusoe computer
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 94) [150486] SST-20 question
by john <johnmb@nc.rr.com>
- 95) [150487] Re: advice on operation in Germany?
by <mm1esg@compuserve.de>
- 96) [150488] Re: Need definition please
by "Karl F. Larsen" <k5di@zianet.com>

Date: Sun, 11 May 2003 17:58:24 -0500 (EST)
From: <igeq100@iupui.edu>
To: Stewart Bowers <stewbow@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150393] Re: Kent Paddles
Message-ID: <Pine.GS0.3.96.1030511175535.21051C-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Stewart -

The ground return on the Kent paddles is through the ball bearings and also through the tension springs. There are no jumpers to insure good continuity, so in addition to cleaning the contacts, clean up the ends of the tension springs and the places that they rest against.

Hope this helps

72,
Rich, WB9LPU

On Sat, 10 May 2003, Stewart Bowers wrote:

> I'm finding my new Kent paddles show high enough
> resistance to create intermittent operation with
> electronic keyers. My old Bencher works just fine, so
> know the problem is with the Kent.
>
> Does anybody else have this problem and know of a fix?
>

> Thanks,
>
> Stewart WB6FBB
>
> -----
> Do you Yahoo!?
> The New Yahoo! Search - Faster. Easier. Bingo.
> <http://search.yahoo.com>
>
>
>

Date: Sun, 11 May 2003 19:17:47 -0400
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "N4SO Ken Brown" <N4SO@Juno.com>,
 "K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [150394] The Improv antenna test
Message-ID: <001701c31813\$8cdd8980\$02eb80d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When the spring comes, portable QRP becomes quite important. On Sunday my XYL reported it would be a good time to go shopping at the factory outlets near Lancaster, PA. Not exactly what I had in mind for the day, I remembered the "Improv" idea from the article in the "QRP Homebrewer" #9 pg 44. by of course N2CX. In a quick scan of the magazine, I grabbed the usual QRP Portable crate and also the Hustler 2 meter mobile antenna to used for part of the Improv. When we got there at the Outlet , I let her go wild with no time constraints either... that's the great guy I am! I parked the "mobile" backed up to a grassy strip away from everything and setup the Improv. I used the Black Widow 20' pole to support the 16.5' wire to make the radiator and the ground being the car with the modified Hustler mount. See the article for details. The SWR was 1.2:1 on the K1 without the internal tuner used.. NOT BAD! Condx on 20 seemed poor and no results from CQs . One QSO however.... N4BP while he was working the CQM contest. If you can't work Bob, you need a new antenna, but the Improv seems to be alive. Try it! I plan to do

that for more important shopping trips!

72 de Ken N2CQ

Date: Sun, 11 May 2003 23:29:55 GMT
From: hamjoel@juno.com
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [150395] Safety Issue Resolved
Message-ID: <20030511.163035.934.485515@webmail04.lax.unttd.com>
Content-Type: text/plain

high y'all

well, now ah kneaux how to get to the qq editor....:-) he done sent me a note on this ant article pointing out that he don't kneaux i had hung the thing whare i did... and that he or I need to print a retraction for the article... as he gave me the option I'm gonna let him do it as he knows what he wants said...

As my position is defenseless ah will not defense... an't amateur radio great... think ah hear the fish calling, it's fishing season up heah...

KE1LA JOEL
IN MAINE
FREEZIN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 11 May 2003 19:33:14 -0400
From: "Tom Dooley" <tdooley@attbi.com>
To: <qrp-1@lehigh.edu>
Subject: [150396] Final Announcment - 2003 FDIM, Dayton, OH May 15-18, 2003
Message-ID: <0dab01c31815\$b1cdf2f0\$6400a8c0@tdooleyoffice>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The latest registration list is up on the QRP-QRCI web page at:

<http://www.qrparci.org/fdim2002.htm>

Don't let the date of the link fool you, it is the Official 2003 List!

If you wish to pre-register, please use the registration for at:

<http://www.qrparci.org/FDIMregform.html>

and pay via PayPal. DO NOT send a check now, as I am leaving home early Tuesday morning. What is the value of pre-registration? Your wait in line to pick up a badge is less than standing in line behind other on-site registrants.

It's now only about 3 days before FDIM (we start on Wednesday night for registration and socializing). What is FDIM? Please go to:

<http://www.qrparci.org/fdim64.html>

Registration information is at:

<http://www.qrparci.org/FDIMregform.html>

The speaker line-up is great, please look at the speaker list at:

<http://www.qrparci.org/fdim64.html>

Please check out the above link for the latest update on the event and building contests.

The entire weekend is wall to wall QRP heaven and even the most experienced operator/builder will gain something out of the collective wisdom that will be there.

Please be sure to come for one session/event or all. It will be well worth it!

This is the premier QRP Event of the Year. There are first class events elsewhere, but one else besides FDIM can claim four days of QRP, with the world's largest hamfest as a side attraction!

Please be sure to participate, drop by or be there. Your choice to have fun!

I look forward to seeing each and everyone of you and please be sure to thank all of the volunteers that make this a great event!

73

Tom Dooley, K4TJD
FDIM Chairman

Date: Sun, 11 May 2003 16:49:02 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <don@azark.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150397] Re: Autotrax software
Message-ID: <003301c31819\$8c0eb910\$6142f842@RadioRoom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have great hopes for AutoTrax but the biggest problem is lack of library symbols. I have used it to create simple schematics and it is very easy (and intuitive) to use. Like the author says, this is a work in progress. And no, there is no catch.

=====
Bill Jones KD7S <><
<http://www.psnw.com/~kd7s>
Sanger, California
=====

----- Original Message -----
From: "Don Jackson (AE5K)" <don@azark.com>

> I wonder if anyone on the list has investigated and/or used
> AutotraxEDA software which is being offered free?

Date: Sun, 11 May 2003 19:05:32 -0400
From: David M Kopacki <kf2ew@juno.com>
To: radioham@gmx.co.uk
Cc: qrp-1@Lehigh.EDU
Subject: [150398] Re: Autotrax software
Message-ID: <20030511.190533.-42442741.0.kf2ew@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's my two cents worth:

AutroTrax is limited to 20 circuit components. I thought that was a little restrictive. There was another software but it was limited to 50

components, which was better and it was also free but I can't remember the name.

After looking at those two, I decided to pay a hundred bucks and get the Electronics Workbench Multisim 2001 Student Suite. I have no regrets. You get about 12 test instruments, it does 100 components and I found it easier to use than both of the other two.

I apologize for not recalling the name of the second free software.

73,
Mike, NJ20M

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 11 May 2003 20:50:56 -0700
From: "W2WU" <w2wurjj@verizon.net>
To: <sholisky@tpt.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150399] Safety
Message-ID: <000a01c31839\$eaecdd20\$6dfc998d@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why not bury the drop / entrance cable? 73, Ron W2WU

----- Original Message -----

From: "Scott Holisky" <sholisky@tpt.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: 11 May, 2003 14:30
Subject: Re: on safety

> "above my power feedin line for the house..."

>

> We will all miss you. Hey maybe this evening you could put lil' stickers
> on your gear so the xyl doesn't have to ask prices. Sure would save her a
> lot of time. I'll let you know what the stuff listed out for here when we
> meet in that "Big Hamfest".

>

> Geeze Joel... call an electrician get a price on burying the line (in a
> pipe so you don't pound through it :) Tell the xyl it's "life insurance".

>
> 73 - Scott N0AR
>
>
>
>
>
>

Date: Fri, 09 May 2003 20:54:50 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: aa1qj@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [150400] Re: Ground Radial Systems
Message-ID: <3EBC4DDA.6E33B06B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some years ago, in the 80's I think, QST ran an article on radial systems. The author compared radial systems made up of resonant length under a vertical to a set of shortened radials. I seem to remember the point where there was no difference was about 20 radials of 20 foot length. I don't remember the exact numbers, but a query to League Headquarters would probably get you a copy of the article.

73

Date: Sun, 11 May 2003 20:06:34 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: stewbow@yahoo.com
Cc: qrp-1@Lehigh.EDU
Subject: [150401] Re: Kent Paddles
Message-ID: <20030511.200638.-1497077.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's not the paddle. Look at the wire or plug or solder connections. Kent paddles are at least as good as Benchers. Clean the contacts with piece of white paper with little contact cleaner on it. If that doesn't do it look at the rest of the circuit. If you can't find it and want to get rid of the Kent, let me know.

Bill, K5ZTY
Houston, TX

Date: Sun, 11 May 2003 21:32:17 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: k5zty@juno.com,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150402] Re: Kent Paddles
Message-ID: <5.2.1.1.2.20030511213136.00a2fa80@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Question are the Kent Paddles still made? I tried finding a web site for them and came up empty...

Dave
WA4EMR

At 08:06 PM 5/11/03 -0500, Bill Stietenroth wrote:
>It's not the paddle. Look at the wire or plug or solder connections.
>Kent paddles are at least as good as Benchers. Clean the contacts with
>piece of white paper with little contact cleaner on it. If that doesn't
>do it look at the rest of the circuit. If you can't find it and want to
>get rid of the Kent, let me know.
>
>Bill, K5ZTY
>Houston, TX

Date: Sun, 11 May 2003 20:33:31 -0500
From: Michael Goins <mgoins@usa.net>
To: <w2wurjj@verizon.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150403] Re: [Safety]
Message-ID: <247HeLBhf0064S16.1052703211@uwdvg016.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Switching the topic slightly, the part about the "stickers," while funny =
(sort
of), somethign similar really wouldn't be all that bad an idea. Everyone =

on
the list should consider having some sort of list that indicates the value of
their equipment, should something happen to them. =

Another local ham, w5hns, and I long ago agreed to take care of selling each
other's station, if, and when, it becomes necessary. Not all the XYL's know
what the gear is actually worth, and there's no sense in it being given away
(unless that's what you want to do). =

One opinion. =

72,
mike
wb5yjx
100% Solar station: SW20+, SW30+, RM-40
Mobile: FT-817 @ 1 watt, CW and SSB
QRP-ARCI 3922 (former managing editor, QRP Quarterly), =

SOC 54, Flying Pig 447, QRP-L 2130, Adventure Radio 810,
Alaska QRP 514, QCWA 30857

Date: Sun, 11 May 2003 21:08:14 -0500
From: "Mike Mullins" <mmullins@mastnet.net>
To: "QRP-L post message" <qrp-l@lehigh.edu>
Subject: [150404] advice on operation in Germany?
Message-ID: <000701c3182b\$59797be0\$7b8ebbd0@downstairs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm going to be in Germany for several weeks starting on May 29th, and I'm
hoping to do some operating there (QRP of course). I'll be in a small town
called Lichtenau, which is on the Rhein about 40 Km south of Karlsruhe. My
understanding is that I only need to take a copy of my license and the CEPT
agreement, and operate as DL/KD5CMN. The apartment I'll be in doesn't offer

a lot of options for antennas. I'm planning on taking a portable vertical which I plan to set up outside my window each time I operate, and an indoor dipole of some kind. I'd like to take the vertical up to some of the nearby mountains (~800 meters) occasionally.

Also, I am thinking of going to the big hamfest in Friedrichshafen which starts on 27-june. Is it worthwhile? I would very much appreciate any advice, and please listen for me on the air. I'll be active mostly on weekends (mostly 20 meters CW).

73 de Mike KD5CMN

Date: Sun, 11 May 2003 22:13:16 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: dafouchey@comcast.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150405] Re: Kent Paddles
Message-ID: <5.1.0.14.2.20030511220827.041bd920@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Take a look at:
<http://www.wavehunter.com/kentpadl.htm>

At 5/11/2003 09:32 PM -0400, Dave Fouchey wrote:

>Question are the Kent Paddles still made? I tried finding a web site for
>them and came up empty...
>
>Dave
>WA4EMR

Date: Sun, 11 May 2003 21:20:21 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [150406] NIMH Shelf Life?
Message-ID: <004001c3182d\$0ae1f000\$c9a854d1@6300us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I picked up a large quantity of 2.4 volt NIMH battery packs a while back, that contain AAA batteries. I planned to sell most of them, but am now thinking they will be a lifetime AAA supply if I keep them and they don't deteriorate. Could someone tell me if new NIMH batteries have a shelf life?

Thanks,

Denny Payton N9JXY

Date: Sun, 11 May 2003 21:29:13 -0500
From: "kg0mz" <kg0mz@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150407] Re: Kent Paddles
Message-ID: <001201c3182e\$482fa4b0\$5bbefea9@3RN9V11>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.kent-engineers.com/TWINinfo.htm>

<http://www.alphadeltacom.com/>

They are distributed by Alpha Delta in the USA.

I have the TP-1 model. I'm impressed. Several outfits carry the TP-1.
Look for sales.

72 de kg0mz

From: "Dave Fouchey" <dafouchey@comcast.net>

> Question are the Kent Paddles still made? I tried finding a web site for
> them and came up empty...

Date: Sun, 11 May 2003 21:31:05 -0400
From: Dave Fouchey <dafouchey@comcast.net>
To: w6toy@erols.com,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150408] Re: Ground Radial Systems
Message-ID: <5.2.1.1.2.20030511212938.00a2dec0@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Wasn't that a Jerry Sevick antenna article? I seem to recall it having to do with a shortened 40 Meter high efficiency vertical...mid '70's I believe.

Dave
WA4EMR

At 08:54 PM 5/9/03 -0400, Bruce Muscolino wrote:
>Some years ago, in the 80's I think, QST ran an article on radial
>systems. The author compared radial systems made up of resonant length
>under a vertical to a set of shortened radials. I seem to remember the
>point where there was no difference was about 20 radials of 20 foot
>length. I don't remember the exact numbers, but a query to League
>Headquarters would probably get you a copy of the article.
>
>73

Date: Sun, 11 May 2003 23:04:03 -0400
From: Steve.Lawrence@ITWFEG.COM
To: kd1jv@moose.ncia.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150409] AT-Sprint: Filter Board Core?
Message-ID: <0F1AF21D7F.99821DAD-0N85256D24.001055CB-85256D24.0010D914@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

It might be too late (11pm local), or I probably missed it, or it's so obvious I can see it...

Which core do you use to wind T1 for the filter board for each band (40, 30, 20)? The other filter board inductances are clearly marked with the toroid core colors, but I'm not seeing this for T1...

Rats... I hoped to have the 40m board done tonight, followed by some on the air testing! Oh, well...

73,
Steve
aa8af

Date: Sun, 11 May 2003 22:15:21 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecrafft " <elecrafft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150410] SOLD = W9GR DSP filtre
Message-ID: <412003511231521481@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

The W9GR DSP filtre has been spoken. Should be going to its new home in a few days. Thanks to all who replied.

73,
--Doc/K0EVZ

Date: Sun, 11 May 2003 23:15:32 EDT
From: WE7X@aol.com
To: thom2@worldnet.att.net, qrp-l@lehigh.edu
Subject: [150411] Re: Harbor Freight Inexpensive DMM and 12volt battery
Message-ID: <151.1f3162b6.2bf06bd4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

It was #30756. I've use a similar one from the same source, and it is hard to beat for the money, but just don't drop it. The case is brittle.

Also, If you are in need of a small inexpensive rechargeable 12 volt battery...

The have a 12volt battery and charger for less than \$15, PLUS it comes with a cordless drill also! I've seen the drill, and used it. It isn't a production quality one, but it is very serviceable for occasional use. The battery terminals appear to be such that they can be attached to with a

slightly modified standard push on type connector.

Rod
WE7X

Date: Sun, 11 May 2003 22:19:27 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "Mike Mullins" <mmullins@mastnet.net>,
"qrp-l reflector" <qrp-l@lehigh.edu>,
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150412] RE: advice on operation in Germany?
Message-ID: <412003511231927695@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Mike:

You will doubtless receive many suggestions. I can heartily recommend the MP-1 by Vern Wright. I have taken mine to Europe and Ukraine three times, and made scores of contacts with a K1 with built-in ATU. You just set it up, hook it up, and go for it. Works fabulously. Of course, the higher you set it up the better it is likely to perform. My \$.02 worth. BTW I am only a well satisfied customer.

GL es 73,
--Doc/K0EVZ

> [Original Message]
> From: Mike Mullins <mmullins@mastnet.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: 5/11/2003 9:08:14 PM
> Subject: advice on operation in Germany?
>
> I'm going to be in Germany for several weeks starting on May 29th, and I'm
> hoping to do some operating there (QRP of course). I'll be in a small
town
> called Lichtenau, which is on the Rhein about 40 Km south of Karlsruhe.
My
> understanding is that I only need to take a copy of my license and the
CEPT
> agreement, and operate as DL/KD5CMN. The apartment I'll be in doesn't
offer
> a lot of options for antennas. I'm planning on taking a portable vertical
> which I plan to set up outside my window each time I operate, and an
indoor
> dipole of some kind. I'd like to take the vertical up to some of the
nearby

> mountains (~800 meters) occasionally.
>
> Also, I am thinking of going to the big hamfest in Friedrichshafen which
> starts on 27-june. Is it worthwhile? I would very much appreciate any
> advice, and please listen for me on the air. I'll be active mostly on
> weekends (mostly 20 meters CW).
>
> 73 de Mike KD5CMN

Date: Sun, 11 May 2003 22:19:45 -0500
From: "J. Michael Thurman, WN5T" <jmthurman@centurytel.net>
To: "QRP-1" <qrp-1@Lehigh.EDU>
Subject: [150413] RE: Ground Radial Systems
Message-ID: <NNEGKHLPLGLAHOFDBJMOEFFCKAA.jmthurman@centurytel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A friend and I have been experimenting with Hustler 5BTVs since Christmas.
I put down the "tuned" radial system as recommended by Hustler. Jon,
KC5LVW, put down 16 or so radials that were 34 ft. long (approx 1/4 wave on
80m). He's down to four radials (per the lawn service!) and everything is
still FB. We both used 14 AWG stranded, insulated wire.

To summarize our findings: Cutting the radials for the lowest desired band
seems best-forget trimming them for the different bands. Four seem to be
fine, but sixteen seem to work better. In fact, I just worked from AR to HI
(4000 mi) on 10 W with the ground mounted 5BTV with twelve radials. SFI =
92, A = 27, K=4.

Enjoy this antenna...it's a great value.

73
Michael
WN5T
Lamar, AR

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Brent Sutphin WB4X
Sent: Sunday, May 11, 2003 11:41 AM
To: Low Power Amateur Radio Discussion
Subject: Ground Radial Systems

I'm in the process of putting down a radial system for my Hustler 6BTV. I'm going to use 50-60 radials 25 feet long. My question is this. Do I need to use insulated wire, or non insulated, or does it matter? I have read articles that argue both ways. What are your thoughts?
I am limited on antennas and want to make this as good as it can be.

73,
Brent

Date: Sun, 11 May 2003 20:33:34 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: dock0evz@earthlink.net
Cc: Mike Mullins <mmullins@mastnet.net>, qrp-l reflector <qrp-l@Lehigh.edu>,
Subject: [150414] Re: [Elecraft] RE: advice on operation in Germany?
Message-ID: <3EBF160E.8070703@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Doc K0EVZ wrote:

>Mike:
>
>You will doubtless receive many suggestions. I can heartily recommend the
>MP-1 by Vern Wright. I have taken mine to Europe and Ukraine three times,
>and made scores of contacts with a K1 with built-in ATU. You just set it
>up, hook it up, and go for it. Works fabulously.
>

I agree completely. A very easy setup and pretty effective antenna (especially on 20 m and up). It and my K1 are good friends :-)

73, Phil

Date: Sun, 11 May 2003 20:43:17 -0700
From: "Bill Linn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>
Subject: [150415] Re: WA7TQA at Indian Cliff?
Message-ID: <010201c31838\$a0a1cf60\$b770ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's the scoop on the portable operation from the Indian Cliff Trail.
(This trail was built by the CCC's before I ever heard of radio!)

Bev (XYL & KD7OJS) and I hiked the 1 1/2 miles to the upper ridge where I threw the 2 ounce fishing weight attached to some 20 pound fishing line into a bull pine at about 25 feet. (After about the 5th try.) The line was on the spool that it comes on when you buy it at the store. This spool had about a half inch hole through the center. I cut a branch about 2 ft long and large enough to fit into the hole, sharpened the other end and stuck it in the ground and aimed it toward the target. Taking the line in hand with the weight hanging about 2 ft, I whirled it around my head in sling shot fashion, throwing it in the direction of the tree. (Bev hid behind a tree in the rear) Each missed toss required me to patiently retrieve the weight from the bushes, rewind on the spool and try again.

Once the line was in the tree, the antenna was stretched out on the ground, coax attached, I tied the 20 lb. line to the insulator and hoisted it up, then tied the ends off using more monofilament.

I managed to work only four stations before the horseflies got the best of me. (Stabbed my keying hand with a pencil while trying to get even with one persistent bugger. Man, those rascals can bite!)

W7LNG was QRO, I'm sure, he was in the Oregon State QSO Party contest so nothing more than signal exchange.

KD7JKA - Kelly, in Helena, MT and I had a real good, long winded QSO. Kelly is a straight key man and is looking to operate in the ARRL FD this year.

AA7XA - Frank, in Otis Orchards, WA - it was great to work Frank as we are practically neighbors. I'd guess that he was less than 35 air miles from my location on the trail. His FT 817 was doing a fb job. I think Karl might have provided him with pointers on how to tune the low power stuff? Frank, we'll have to get together and compare notes over coffee sometime.

N7WNX - Jon, near Eugene, OR was running a Rock Mite, somehow cranked up to 800 mW. It was fun working Jon while it lasted... QRM. Someone was tuning, guess the couldn't hear us weakies?

All in all I wasn't there long so it was a huge success. Am sorry that Seab and I didn't get hooked up... Too early in the day I guess.

I'll be out again.... soon.

Bill - WA7TQK

<http://www.topozone.com/map.asp?z=11&n=5245466&e=516676&size=1>

This link will show you a map centered on my location of operation. It's slow to load.

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Sun, 11 May 2003 22:53:38 -0400
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150416] Re: Ground Radial Systems
Message-ID: <EE4D3FEC-8424-11D7-8E7C-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v552)
Content-Transfer-Encoding: 7bit

I don't have the reference handy, but there was a paper concerning the comparison of ground radials vs resonant elevated radials.

I would think that ground conductivity is a major factor in any study of ground radials. Here, in Arizona, I set up antennas in the desert where there is literally just sand (very poor ground conductivity). For that reason, I have gone with elevated radials for 80m and 160m.

Tom of Force 12 spoke at Ft Tuthill a couple years ago about radials, antennas, etc. (This was not a "QRP" session, as such.) Anyway, his experience has shown that elevated radials should be above ground as follows:

160m -- 16 ft
80m -- 8 ft
40m -- 4 ft

... you see the pattern
30m -- 3 ft

I use 4 elevated radials, but have tried just 2. The improvements above 4 are small. Above 8, very small!

There was originally a paper by a broadcast engineer examining the whole elevated vs ground mounted issue.

I would think any comprehensive examination of radials would take this practical research into consideration.

Ground conductivity in my mind is a huge factor, but I live in a desert, not a salt marsh.

Sorry that I don't have the actual reference.

Brian

On Sunday, May 11, 2003, at 09:31 PM, Dave Fouchey wrote:

> Wasn't that a Jerry Seveck antenna article? I seem to recall it having
> to do with a shortened 40 Meter high efficiency vertical...mid '70's I
> believe.

>

> Dave

> WA4EMR

>

> At 08:54 PM 5/9/03 -0400, Bruce Muscolino wrote:

>> Some years ago, in the 80's I think, QST ran an article on radial
>> systems. The author compared radial systems made up of resonant
>> length

>> under a vertical to a set of shortened radials. I seem to remember
>> the

>> point where there was no difference was about 20 radials of 20 foot
>> length. I don't remember the exact numbers, but a query to League
>> Headquarters would probably get you a copy of the article.

>>

>> 73

>

>

--

See my web page: <http://www.k7on.com>

Date: Sun, 11 May 2003 20:52:15 -0700
From: Mark Schoonover <schoon@amgt.com>

To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [150417] Anyone Copy Armed Forces Day Digital Message??
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6C79@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Even with a 270' horizontal loop at 30', all I managed was 3 stations... I know conditions were pretty bad, but did anyone at all copy the Sec Defense message?? I went through all the frequencies, and had no luck on hearing anything. Just curious is all...

Thanks and 721

.mark

Owner/Operator - Red Truck Delivery Service

Date: Sun, 11 May 2003 21:11:18 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [150418] RFC First Time Solar Power in the Field
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6C7A@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Thanks for reading!!

I'll be taking my first week camping trip with the Boy Scouts here in July. It'll be my first time with 817 in tow, and not being near mains to recharge the batteries for over a week. Oh, will have a VX5R as well. The 817 has MAHA, and W4RT battery packs. Here's my thoughts:

I have a flexible 10 watt solar panel, and a couple of small 2AH SLAs hanging around. My idea is to have this fully charged prior to departure, as well as all the batteries for my portables. I was thinking of using the SLA to charge the 817/VX5 at night, while the solar panel can recharge the SLAs during the day when I'm out and about. That way I could just set up a solar charging station in my tent, and leave that heavier gear there. Now, I could spend about \$45 and get a real charge controller and it's all probably said and done. Since the SLAs will be float charged at

about 12v, I was thinking of just using a 2 amp 12v regulator instead. Is the latter an OK thing to do??

I'm reasonably sure I'll have enough solar power to replace what the 817 and VX5 will need to recharge during the day. I'll be at 7000 feet, in the Sierra Nevada in Southern California. There should be plenty of sunlight to go around. I would enjoy hearing what others have done!

72

.mark
KA6WKE

Owner/Operator - Red Truck Delivery Service

Date: Mon, 12 May 2003 02:38:19 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: dafouchey@comcast.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150419] Re: Ground Radial Systems
Message-ID: <5.2.0.9.2.20030512021821.024d8d60@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Dave, Bruce... I THINK it was 20 radials of 1/8 wavelength... and I THINK it wasn't stated as 'just' a flat number of feet-although you would certainly be able to take advantage of, say, 20 1/8 wavelength radials cut for 80M (0.125 x ~140 ft [~1 wavelength at 3.55MHz] = 17 ft 6 in) on the higher bands. Since 80M calculates out to a little less than the 20 ft mentioned here, it should be just fine... why not... 20 ft IS slightly longer than 80M figures to be. It WAS Jerry Sevick who wrote the article and made that statement.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Mon, 12 May 2003 08:09:12 +0100
From: "Ray Goff" <radioham@gmx.co.uk>
To: <mmullins@mastnet.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150420] Re: advice on operation in Germany?
Message-ID: <000801c31855\$6be3e4d0\$9abc6751@starfishrcg>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm going to be in Germany for several weeks starting on May 29th, and I'm
> hoping to do some operating there (QRP of course).

Mike,

Operating in Europe is a lot different to the US, with lots of different
countries to work QRP. As you can guess from the callsign, I don't live in
Germany and there are probably German stations who can also give advice, but
I do travel extensively in Europe with my radio.

First, it is my understanding that you would operate as DL/KD5CMN/P while
you are in Germany (I always operate as DL/G4FON/P), and secondly, if at

all possible I would consider being equipped to operate on 40 metres as well as 20. 20 can be rather quite at times, but you will always find somebody on 40 for a QSO. You don't mention if you are going to operate CW or SSB, but remember that the 40 metre band in Europe is only 100KHz wide, from 7.000 to 7.100. CW operators have the bottom of the band, up to around 7.030 (the QRP calling frequency) and SSB is from 7.040 to the top of the band. The bit in the middle is for data etc. If you get the chance, 40 is also pretty lively in the evenings, I work plenty of DL stations during the mid to late evening.

Make as much use as possible of outside antennas as the building may well form a Faraday shield, seriously attenuating the signal from your indoor dipole, which you don't need if you are starting off QRP!

If you can make Friedrichshafen, then it is lots of fun and a lot like Dayton with lots of different things to look at! With the dollar and the euro almost equal in value, doing the currency conversion shouldn't be a problem, however I remember my XYL (who is American) thinking she had a real bargain on a dress she bought in the UK because she did the currency conversion math wrong! Don't expect to pick up too many bargains as ham radio equipment is generally more expensive in Europe, but it is certainly a fun venue.

If you look on my web site www.g4fon.co.uk you will find the loop antenna that I use when I am travelling, it works pretty well if you take the time to tune it exactly for your operating frequency.

If you have any more question, email me directly.

Good luck with the trip,

72/73

Ray, G4FON

Date: Mon, 12 May 2003 07:13:36 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: don@azark.com, qrp-1@Lehigh.EDU
Subject: [150421] Re: Autotrax software
Message-ID: <Law15-F3BARdkfwuciG0000b2e7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Don Jackson (AE5K)" <don@azark.com>
>Reply-To: don@azark.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Autotrax software
>Date: Sun, 11 May 2003 12:12:16 -0500
>
>I wonder if anyone on the list has investigated and/or used
>AutotraxEDA software which is being offered free?
>
>Quoting from some of its webpage advertising:
>
> > AutoTRAX EDA delivers to your desktop all of the advanced tools needed
> > to implement today s complex electronic PCB designs. Mult-sheet
> > schematic entry, circuit simulation, rule driven PCB layout, fast
> > autorouting, 3D visualization and Computer Aided Manufacturing tools.
>
>Web page is at: <http://www.autotraxeda.com/>
>and it is advertised at "Totally free, no limits"
>
>Is there a "catch" that I'm not seeing? Anyone have any experience
>with it?

Although I use a rather expensive PCB package, I keep meaning to try
Autotrax out of curiosity, so I've just started downloading it. I'll report
back on my findings.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Use MSN Messenger to send music and pics to your friends
<http://www.msn.co.uk/messenger>

Date: Mon, 12 May 2003 07:23:16 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: radioham@gmx.co.uk, qrp-1@Lehigh.EDU
Subject: [150422] Re: Autotrax software
Message-ID: <Law15-F561XvpFVjCRG000140de@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Ray Goff" <radioham@gmx.co.uk>
>Reply-To: radioham@gmx.co.uk
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Autotrax software
>Date: Sun, 11 May 2003 21:39:40 +0100
>
>Hi,
>
>I tried doing a design with it and there are currently so many problems
>that
>I decided that even if it was free it didn't fill the bill.
>
>I sent in a list of my observations, questions and comments to the Yahoo
>user group and had nothing in reply.
>

Further to my previous post about trying it, in the light of Ray's comments and some bugs mentioned on the Autotrax BB, I don't think I will bother downloading it.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

It's fast, it's easy and it's free. Get MSN Messenger today!
<http://www.msn.co.uk/messenger>

Date: Mon, 12 May 2003 10:35:06 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150423] RE: NIMH Shelf Life?
Message-ID: <LMEFJBBFINDEOKDIPCPGEGNDAAA.tf3vst@vortex.is>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

No, they don't have a shelf life, the drop is about 25-30% per month. You might want to check on an excellent article by Ken Stuart, W3VVN in Dec 2001 QST. It tells all about it :-)

73 de Villi TF3VS

> deteriorate. Could someone tell me if new NIMH batteries have a
> shelf life?

Date: Mon, 12 May 2003 07:17:10 -0400
From: "Mike Maiorana" <mikemo@attglobal.net>
To: <qrp-l@lehigh.edu>
Subject: [150424] Ni-CDs in parallel
Message-ID: <007301c31878\$08411150\$020a0a0a@MIKEM03>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,
I've been thinking about making higher capacity battery packs for my qrp rigs by using sets of cells in parallel. I've got a slew of 1.4 AH cells, and have built a few 9.6 volt packs for the FT-817. They work well but I'd like to get more capacity. I'd like to put four sets in parallel for a 5.6 AH battery. I'd also like to make up a big 12 volt pack for the K2 and other small 12 volt radios.

I've got an old book from General Electric (mid 70's) on Ni-CDs and it says that there is no problem discharging cells in parallel as long as they are the same capacity. It also says that using a constant voltage charge technique would allow charging in parallel. However, it said that if you used a constant current charge technique that you would need to use a resistor in series with each set of parallel cells. This didn't make sense to me, since most inexpensive chargers use the constant current technique.

Even more strange is the way the cells were packed originally. These were discontinued battery packs for the old Motorola "brick" cell phones. They were rated at 7.2 volts and 2.8 AH. Inside were 12 cells, two strings of six, in parallel. There were no "balance" resistors in the pack. So it seems to me that it would be appropriate to configure the packs in parallel.

Any experience out there? Should I just make several small packs and change them as necessary.

Thanks and 72.
Mike M. KU4QO

Date: Mon, 12 May 2003 07:18:32 -0400
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [150425] Michigan QRP Net
Message-ID: <0FA90FFA4D.EEF6B3C9-ON85256D24.003E0E14@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

We had nine check-ins last week with very noisy conditions.

	S	R	
WA8BXN	579	579	CLEVELAND OH MIKE
W8IQB	449	579	BRISTOL MI LOWELL
WA8REI/P	579	579	GLADWIN MI KEN
KB8BO	599	599	WEST BLOOMFIELD MI JOE
WB1HBE	339	579	BOSTON MA JOHN
W2SH	339	339	MILLINGTON NJ CHARLES
K8CV	599	579	ROYAL OAK MI WALT
AA1MY	449	589	BETHEL ME SEAB
NICUU	559	569	GETTYSBURG PA CARL

The Michigan QRP Net meets each Tuesday night at 9:00 PM Eastern time on 3.535 MHz. All hams are welcome.

Ed AB8DF Waterford, MI

Date: Mon, 12 May 2003 04:55:48 -0700 (PDT)
From: Nancy Rabel Hall <kc4iyd@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150426] help wanted with building RF probe at FDIM
Message-ID: <20030512115548.44126.qmail@web41102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,

Just saw the final announcement for 2003 FDIM at Dayton and figured this might be a good time to post this. I will be at FDIM (will be driving down Thursday afternoon with 3 friends) and I would really like to build an RF probe but need some help. I have several

links about them:

http://www.qrpp-i.com/KA8MAV_RF_Probe.htm
<http://www.io.com/~n5fc/rfprobe2.htm>
http://www.njqrp.org/mbrproj/rf_probe.html

Other than not knowing which one to attempt, my biggest problem is that I don't know how to start it. Let me explain. If I have a circuit board already etched, parts and instructions (like what most qrp kits come with), I can follow it and put a kit together. I've built the 38 special QRP kit and the psk80 warbler and have tons more waiting to be built. However, if given just a circuit diagram on paper, then I'm lost. My background is physics/fluid mechanics and while I have taken a basic circuit theory class in college, I've never had to go from just a circuit diagram to wiring it on one of those experimental circuit board that RS sells or soldering parts together on a bare board. I also don't get QHB and I think there was talk about the RF probe that was in QHB #9 a while back.

So looking for help on this. I'm willing to try to get the parts/items needed by Dayton (let me know which ones I should get) or if someone already has the parts, I'll gladly pay you for them. All I need is to find someone willing to sit with me or at least help me get started with building an rf probe. I'll be the one walking around FDIM with my mouth wide open overwhelmed by all the kits and stuff. Hmmm, after checking out the qrparci webpage I think others might be effected the same way. Well....I'll have my callsign on my hat and shirt and a nametag so just give me your call and I'll look for you, hi hi. I would really appreciate this!

Looking forward to meeting you all at my 1st FDIM and my 12th year at Dayton Hamvention.

Nancy kc4iyd/8
kc4iyd@yahoo.com

Date: Mon, 12 May 2003 09:19:44 -0400
From: "sslyon" <sslyon@megalink.net>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150427] Re: AT-Sprint: Filter Board Core?
Message-ID: <001001c31889\$279d1ce0\$0ac8e742@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

red, red, yellow, respectively. An I might add, make sure you're careful not to bridge the narrow spaces between thru-holes on the back. In fact, I found that debris stuck to the flux on the board and caused all kinds of havoc, esp. in the hi-Z areas. I thoroughly cleaned the whole thing with a commercial circuit cleaner and now it's happy dance.

73
aa1my

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm
----- Original Message -----
From: <Steve.Lawrence@ITWFEG.COM>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, May 11, 2003 11:04 PM
Subject: AT-Sprint: Filter Board Core?

> It might be too late (11pm local), or I probably missed it, or it's so
> obvious I can see it...
>
> Which core do you use to wind T1 for the filter board for each band (40,
> 30, 20)? The other filter board inductances are clearly marked with the
> toroid core colors, but I'm not seeing this for T1...
>
> Rats... I hoped to have the 40m board done tonight, followed by some on
> the air testing! Oh, well...
>

> 73,
> Steve
> aa8af
>

Date: Sat, 10 May 2003 09:25:39 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: n4xy@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150428] Re: Ground Radial Systems
Message-ID: <3EBCFDD3.BF3262A2@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The easiest way is to read the original article and go from there.

73

Date: Sat, 10 May 2003 09:40:43 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jmthurman@centurytel.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150429] Re: Ground Radial Systems
Message-ID: <3EBD015B.3F97F8E6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The sort of standard practice (ca. 1980) used to be 4 resonant radials for each band. Gosh knows they worked for me, I worked DXCC with two different trapped verticals, one ground mounted, and one roof mounted. But standard practices changed with time when people began to realize that if 4 worked, 8 worked better! Then people realized that the purpose was to simulate a ground plane, and length was not as important as coverage and ground conditions. In short, whatever works, but remember different strokes for different people!

73

Date: Sat, 10 May 2003 09:58:37 -0400

From: Bruce Muscolino <w6toy@erols.com>
To: mmullins@mastnet.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150430] Re: advice on operation in Germany?
Message-ID: <3EBD058D.4C1525D4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As one who has extensive experience living and operating in Europe, albeit some 20 years ago, I would suggest the most important issues are permission, PERMISSION, and PERMISSION. By this I don't mean governmental permission, but local permission! By all means carry copies of your license and CEPT papers to show you are legal. But also ask permission locally, from the hotel, the city, and so forth. It would also be smart to find what is the local radio club. In addition to making friends by mail, you may find yourself invited to a local meeting, an experience you will never forget! I would also write to our DL-QRP friends and tell them when your coming and where.

73

Date: Mon, 12 May 2003 09:04:33 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, QRPp-I@yahoogroups.com,
Rock-Mite_Group@yahoogroups.com
Subject: [150431] QRP Test Equipment
Message-ID: <3.0.2.32.20030512090433.0082ea00@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

Those of you building R-Ms and other kits may find it useful to have some simple but effective test equipment on hand.

One source is a book written by Graham Firth G3MFJ and Tony Fishpool G4WIF.

You can find it on their website <http://www.fishpool.org.uk/>

Or, it will be available at Dayton OH, and Hamcomm in Irving TX coming up soon.

Most of the equipment can be built in Altoids tins and other similar enclosures. If you get a chance to see one of their presentations, do so. Sat in on one at ArkieCon -- most interesting and enjoyable.

Another source of test equipment information and how-to-do-its is back issues of the QRP ARCI's QRP Quarterly magazine.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Mon, 12 May 2003 14:13:34 +0100
From: "TC Dufresne" <tdufresne@neb.rr.com>
To: <schoon@amgt.com>
Cc: <qrp-l@lehigh.edu>
Subject: [150432] Re: RFC First Time Solar Power in the Field
Message-ID: <005c01c31888\$4ab39d90\$3ebf1c41@nonei16p19rvqu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark:

Good post, but I have used charge controllers in the field. They are very NOISEY!!!! I had a portable setup with a 7 amp/hr battery, an HW-8 main station, and a laptop computer for logging.

When that charge controller cycled on it would drowned everything out with static.

I finally just disconnected the controller and used the solar panel, thru the battery, alone.

Don't waste your time/money with a fancy controller unless you are completely recharging when you are NOT operating.

Just my .02 cents.
Tom
KC0GXX

Date: Mon, 12 May 2003 10:00:58 -0400
From: "Lee Mairs" <lmairs@direcway.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150433] Re: RFC First Time Solar Power in the Field
Message-ID: <0a2201c3188e\$ed7e0eb0\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark -

I sincerely doubt that your flexible solar panel will develop sufficient current to require a solar charge controller even with those small batteries. I wouldn't bother with a solar charge controller. Try it before you leave. Measure the charging current in bright sun light. If it around 10% of the battery capacity (200 ma) you needn't worry about over-charging.
732 de Lee
km4yy/8

----- Original Message -----

From: "Mark Schoonover" <schoon@amgt.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 12, 2003 12:11 AM
Subject: RFC First Time Solar Power in the Field

> Thanks for reading!!
>
> I'll be taking my first week camping trip with the Boy Scouts here
> in July. It'll be my first time with 817 in tow, and not being near mains
> to
> recharge the batteries for over a week. Oh, will have a VX5R as well. The
> 817 has MAHA, and W4RT battery packs. Here's my thoughts:
>
> I have a flexible 10 watt solar panel, and a couple of small 2AH
> SLAs hanging around. My idea is to have this fully charged prior to
> departure, as well as all the batteries for my portables. I was thinking
> of
> using the SLA to charge the 817/VX5 at night, while the solar panel can
> recharge the SLAs during the day when I'm out and about. That way I could
> just set up a solar charging station in my tent, and leave that heavier
> gear
> there. Now, I could spend about \$45 and get a real charge controller and
> it's all probably said and done. Since the SLAs will be float charged at
> about 12v, I was thinking of just using a 2 amp 12v regulator instead. Is
> the latter an OK thing to do??
>
> I'm reasonably sure I'll have enough solar power to replace what the
> 817 and VX5 will need to recharge during the day. I'll be at 7000 feet, in

> the Sierra Nevada in Southern California. There should be plenty of
sunlight
> to go around. I would enjoy hearing what others have done!
>
> 72
>
> .mark
> KA6WKE
>
>
> Owner/Operator - Red Truck Delivery Service
>
>
>
>
>

Date: Mon, 12 May 2003 09:17:54 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
<njqrp@njqrp.org>
Subject: [150434] AS-2259 NVIS Antennas Available New (NOT Cheap)
Message-ID: <000701c31891\$4793d0e0\$3f20be42@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I located a manufacturer (sub contractor) of military antennas called R.A. Miller Industries in Michigan. I inquired if perhaps the AS-2259 NVIS Antenna was available to the public.

I received a reply this morning that the antenna is available to the public for \$847.00. No indication if this includes a base mount or not.... I suspect not.

Makes my \$12 homebrew version look pretty good ... hihi.

Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-parci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrp-parci # 9875 - iparc #252
ars #1075 - <http://webpages.charter.net/w9wis/>

Date: Mon, 12 May 2003 09:53:53 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, QRPP-I@yahoogroups.com,
Rock-Mite_Group@yahoogroups.com
Subject: [150435] QRP Test Equipment [HamCom Oooooops!]
Message-ID: <3.0.2.32.20030512095353.0083db00@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

CRS problem -- HamCom is in Arlington, Dallas/Ft. Worth mid-cities NOT
Irving.

>Or, it will be available at Dayton OH, and Hamcom in Irving TX coming up
soon.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Mon, 12 May 2003 11:12:40 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [150436] Re: NiMH Shelf Life?
Message-ID: <000301c31898\$ee5ec630\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Denny,

I believe that your question was how old NiMH batteries can be and
still be usable, i.e., capable of being charged and retaining, within the

limits pointed out in the response by TF3DF, something near their original capacity. I can only suggest searching the web using a search engine, assuming that one or more of our list members don't have the answer.

FWIW, Ken, W3VWN, can be considered an authority on rechargeable batteries. He worked in the area for many years.

72/73

Cal K4JSI

Date: Mon, 12 May 2003 11:12:36 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [150437] Re: QQ
Message-ID: <NFBBIILMKCMIIILGKAJMBLKEJLNCJAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cal et al,

Thanks for the kind words.

>From what I've heard and seen posted here on the "L", most should be receiving their copies now. We've actually gone to a higher class of postage than before, but it has been my experience that the USPS has become quite a crap shoot (no offense to anyone working for the USPS) ever since letters started appearing with white powder in them... Ironically, I haven't actually received my subscription copy yet (but now I get a few sent first day from the printer ... and Sir George is too kind...).

They say that absence makes the heart grow fonder. Or what was that song "Anticipation..."?

If you haven't gotten yours before you get to Dayton, please be nice to the folks in the ARCI booth--they're probably not responsible for the delay and probably can't do anything to help you. Instead, stop by the W3IRZ/K04WX/K4WIF(AKA G4WIF) suite at the Ramada and we'll share a copy with you...

First issues as editor are always the most fun I guess. Now that the bar is set...

It's time to go ahead and call for articles for the Summer issue. Please

send them directly to me, ko4wx @ mindspring.com. We're looking for articles on construction, operating, and just about anything else related to enjoying QRP. Most especially, we are looking for articles from International authors. Seriously, there is a lot of good stuff out there (for example, I'm a member of RSGB and G-QRP as well, and there are some great things going on in GB) that the rest of us would very much love to hear about... (how about that Sierra gang down in VK-land???)

And pictures, lots of pictures. In addition to everything else, lots of pictures and stories from FIDM 2003 would be much appreciated!

72 de Mike, K04WX, Editor, QRP Quarterly

Date: Mon, 12 May 2003 15:26:47 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [150438] Re: JFET Sleuthing--more info found
Message-ID: <Law9-F52byMyhRqlCGu00014ef6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

After Steve's last post to the list I got to thinking more about this problem.

According to what I understand, the gate to drain capacitance (C_{gd}) is essentially the same as the common source reverse transfer capacitance (C_{rss}) which is commonly stated in the datasheets. The gate to source capacitance (C_{gs}) is not usually stated but can be derived from the observed input capacitance. The typically cited common source input capacitance (C_{iss}) is just $C_{gs} + C_{gd}$ when the drain is bypassed to the source.

So, a symmetrical JFET should have a C_{iss} twice its C_{rss} . But the datasheets usually just give max values for these. Furthermore, they are usually pretty small values if the FET is designed for VHF or UHF use. So, I thought, why not let Miller's effect aid in the process. If the drain is NOT bypassed, and there is a finite load on the drain, then the input capacitance will be $C_{gs} + C_{gd} (1+A_v)$ where A_v is the voltage gain.

OK, so I set up a circuit on a solderless breadboard with the JFET leads splayed out as much as possible to minimize stray capacitances. I grounded the case, I grounded the putative source, put a fixed resistor load to the drain and biased the gate to 0V by grounding through a 4.7M resistor. A signal was applied through a 56K resistor and a 0.01 uF cap to the gate. The

cap was for DC isolation and the resistor was to make the signal generator source look like a high impedance signal source.

At 0V bias, this particular FET drew 4.5 mA through a 1K load from a 12V supply.

I clipped a scope lead onto the FET's drain and used a Tektronix P6104 probe (10X, 10M and 10.5 pF) to probe the input just upstream of the coupling cap. With the signal generator set at 1 MHz, I observed 70 mV P-P in and 290 mV P-P out in configuration "A" (assumes source, drain, gate, case clockwise from tab looking at bottom). With the input probe removed, the output was 485 mV P-P. Then I swapped the source and drain and repeated as configuration "B" (drain, source, gate and case). In case B I observed 70 mV P-P in and 275 mV P-P out and 465 mV P-P out with the input probe removed.

OK, at this point I would expect, if there was asymmetry in the FET that one of these two configurations would look to have a smaller input capacitance and because I purposefully used a high impedance signal source, should give a larger output signal when the FET appeared to have a smaller input capacitance (less rolloff). That configuration should be the "preferred" configuration. Now, I can't really claim that configuration A is preferred based on this data because there was no clear and unambiguous difference compared to case B for this FET.

Next I thought that I might "measure" the input capacitance or at least compare it relatively. So I inserted a trimmer cap to ground where I had been probing with P6104 and adjusted it to give half output compared to when it is absent. I then remove the trimmer and carefully measured it with my Wavetek DMM. I found 13.9 pF in case A and 15.9 pF in case B. Now, I suppose that I really need to do the vector math to relate these to the input capacitance since these represent on the order of 10Kohm X_c at 1 MHz and are not negligibly small compared to the signal source impedance. Also, the P6104 probe's capacitance performed a similar attenuation in the previous test which can also be used for calculation.

Now going back to hypotheticals. If we select a FET with C_{gd} of 2 pF and C_{gs} of 4 pF and probe it in a circuit as above (which was observed to have an A_v of about 4) then the input capacitance will look like 12 pF in one case and 18 pF in the reversed case. Not an enormous amount of difference. Using a larger load would give more gain and further amplify the difference but will eat up more of the VDD running the gate at 0V bias.

Anyway, this is where I am so far.

Brad

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.

<http://join.msn.com/?page=features/virus>

Date: Mon, 12 May 2003 09:35:09 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mark Schoonover <schoon@amgt.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150439] Re: RFC First Time Solar Power in the Field
Message-ID: <Pine.LNX.4.44.0305120924350.2116-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mark, I sounds like you and your troop are in camp. So everything you say can work. With solar panels it depends on their size. I have a 75 watt panel on top of my trailer and it MUST have a regulator because it has enough current to overheat and destroy my deep cycle huge battery.

A 10 watt panel is small and even if your battery is charged it will not hurt it. So do not worry about a regulator. When you get back to the tent "feel" your battery. If it's warm take off the charger.

In 1978 I took my Troop 66 of the Sunshine District on a 50 mile backpack and carried my Ten Tec Argonaut and a 12 volt D size battery pack that was heavy! But every evening I got the scouts to put up my 80 meter dipole high in a tree, and I would meet a Ham in my home town with a phone patch and the 11 and 12 year olds could talk to Mom. It helped a lot with Home Sickness.

On Sun, 11 May 2003, Mark Schoonover wrote:

> Thanks for reading!!

>

> I'll be taking my first week camping trip with the Boy Scouts here
> in July. It'll be my first time with 817 in tow, and not being near mains to
> recharge the batteries for over a week. Oh, will have a VX5R as well. The
> 817 has MAHA, and W4RT battery packs. Here's my thoughts:

>

> I have a flexible 10 watt solar panel, and a couple of small 2AH
> SLAs hanging around. My idea is to have this fully charged prior to
> departure, as well as all the batteries for my portables. I was thinking of
> using the SLA to charge the 817/VX5 at night, while the solar panel can
> recharge the SLAs during the day when I'm out and about. That way I could
> just set up a solar charging station in my tent, and leave that heavier gear
> there. Now, I could spend about \$45 and get a real charge controller and

> it's all probably said and done. Since the SLAs will be float charged at
> about 12v, I was thinking of just using a 2 amp 12v regulator instead. Is
> the latter an OK thing to do??
>
> I'm reasonably sure I'll have enough solar power to replace what the
> 817 and VX5 will need to recharge during the day. I'll be at 7000 feet, in
> the Sierra Nevada in Southern California. There should be plenty of sunlight
> to go around. I would enjoy hearing what others have done!
>
> 72
>
> .mark
> KA6WKE
>
>
> Owner/Operator - Red Truck Delivery Service
>
>
>
>
>
--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Mon, 12 May 2003 17:41:03 +0200
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: mmullins@mastnet.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150440] Re: advice on operation in Germany?
Message-ID: <200305121741.03562.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hello Mike,
Only your license is need, your call should be DL/KD5CMN/p.
Working 20m is not so efficient at the moment 20m is in not so good
conditions, better you plan to operate 40m too.
A MP1 is a usefull antenna for portable use. For bigger antennas is seldom
space in the hotels.

Here is a link to the Karlsruhe HAM section of the DARC.
<http://www.karlsruhe.de/Home/DARC-OVA07/index.htm>
You can try contact Stephan Erat, DH2ES, e-mail: dh2es@darcd.de.
I wish you a nice stay in germany and would be glad if we can have meeting
in Friedrichshafen and a QRP<->QRP QSO. :-)

72 de Wolf, DL2WRJ

--

Today is the tomorrow you worried about yesterday.
(/usr/games/fortune)

Date: Mon, 12 May 2003 09:50:37 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [150441] This is getting bad!
Message-ID: <Pine.LNX.4.44.0305120947380.2116-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The numbers are 92 A=27 K=4 and the bands are worthless. I don't
recall this much flare problems during a sunspot minimum. Last minimum
it was common to have 85 A=4 K=1 and things were not great but you could
get out...

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Mon, 12 May 2003 11:43:52 -0400
From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [150442] Re: RFC First Time Solar Power in the Field (longish)
Message-ID: <000301c3189d\$4d159ce0\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark and all,

I think you need to be a bit careful in charging 2 AH gel-cell
batteries with a 10 Watt solar panel. I would think that in bright sunlight

your solar panel would put out somewhere around 0.8 Amperes at it's point of maximum power output, which I'd guess would be somewhere around 15 to 17 Volts. That would really be belting the batteries.

Electronic Goldmine has charge controllers for sale at \$8.95 and \$14.95. I can't comment on whether they would produce RF noise, not having tried one yet. Some charge controllers use pulse width modulation (PWM) to develop their output and they could indeed be noisy as KC0GXX suggests, just as switching regulator power supplies can be.

I'd suggest that you characterize your solar panel with several different loads (power resistors) on it from the open circuit voltage to the short circuit

(ammeter only) current. Or perhaps the manufacturer can provide a typical curve of the output voltage versus the current drawn.

With that information in hand, you could configure an LM-317 as a current source and use a couple of power diodes to reduce voltage as necessary. I think the correct float voltage for charging the batteries would be around 13.8 volts and a current of say 15% of the rated battery current of 2 Amperes would be about right.

I make no claim to being an expert in this area, and I expect that you'll get

a lot of input from others. Also, there's a QRP solar power reflector on Yahoo, which might be another place to inquire. It's administered by

Ron, WB3AAL,

of Appalachian Trail portable operation fame. He's a member of QRP-L.

72/73

Cal K4JSI

Date: Mon, 12 May 2003 10:44:22 -0500
From: Monty N5ESE <n5ese@io.com>
To: AQR@onelist.com, qrp-l@Lehigh.EDU, kd1jv@moose.ncia.net
Subject: [150443] AT Sprint - More Pix 'n' Stuff
Message-ID: <5.1.0.14.0.20030512101756.00a760f0@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

As promised, more pictures of the completed AT Sprint:

<http://dit-dididit-dit.com/atsprint.htm>

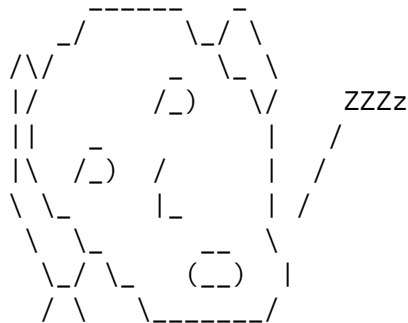
It's amazing to see everything - xcvr board, band modules, and adapters stuffed into one lil ol' Altoids tin!

Also of interest to those building one into an Altoids tin, is the quick-reference label that I built in MS Word 97. If you have Word 6, Word 97, or more recent, you should be able to open and print this Altoids-sized label, intended to glue or stick-on the inside cover. E-mail me direct if you would like me to send you the file: <mailto:n5ese@io.com>

I still have to troubleshoot my version, which I'll get to some evening this week. I'm really itching to put this puppy on-the-air.

72,
monty N5ESE

Monty Northrup, N5ESE (ex-N5FC) Austin, TX
e-mail: n5ese@io.com or maddog@io.com
web (ham): <http://www.dit-dididit-dit.com>
web (home): <http://www.io.com/~maddog/>



Date: Mon, 12 May 2003 08:58:51 -0700
From: "KXBill" <w7kxb@cox.net>
To: <tdufresne@neb.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150444] Re: RFC First Time Solar Power in the Field
Message-ID: <008501c3189f\$6217cee0\$25ac6d44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mark:

You might want to peruse the following web page:

<http://www.seslogic.com/sunlogic.html>

They say "No RFI"....

Good Luck

Bill/w7kxb

----- Original Message -----

From: "TC Dufresne" <tdufresne@neb.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, May 12, 2003 06:13
Subject: Re: RFC First Time Solar Power in the Field

Mark:

Good post, but I have used charge controllers in the field. They are very NOISEY!!!! I had a portable setup with a 7 amp/hr battery, an HW-8 main station, and a laptop computer for logging.

Tom
KC0GXX

Date: Mon, 12 May 2003 18:08:14 +0200
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150445] what is the correct cw for qrpp power?
Message-ID: <200305121808.14288.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

There is a discussion on the german qrp mailing list about what to send in cw if you are working less than 1 watt, lets say 500mW.
I would give "rig 500mw qrpp ..." but is this always clear enough?
I assume that here are a lot of experienced qrpp op's so I ask here.

72 de Wolf, DL2WRJ

--
Today is the tomorrow you worried about yesterday.
(/usr/games/fortune)

Date: Mon, 12 May 2003 18:24:35 +0200
From: DK3RED@t-online.de (Ingo Meyer DK3RED)

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150446] RE: advice on operation in Germany?
Message-ID: <5.2.1.1.1.20030512182435.023b0900@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Mike,

> ... My understanding is that I only need to take a copy of my license
> and the CEPT agreement, and operate as DL/KD5CMN. ...

That's right. It's not necessary to add a "/P" or "/M" on your call in
DL (you can but you need not).

I think you don't look for a QSO lower than 3.5 MHz (grin) from you
hotel, so the frequencies here in Germany are:

80 m: 3.5-3.8 MHz

40 m: 7.0-7.1 MHz

30 m - 10 m: the same frequencies like in the USA

6m: here in DL a special licenses for 3000 hams only ;o((

Some of the QRP frequencies here in the region 1 are slightly different
from region 2.

CW: 3560, 7030, 10106/16, 14060, 18096, 21060, 24906/10, 28060

SSB: 3690, 7090, 10140, 14285, 18130, 21285, 24950, 28360

Yes, you can operate in CEPT countries with your license and passport
only. But like uncle Bruce wrote I suggest you also to ask your hotel
manager before you erect an antenna and swing your key. I think it's the
same manner for a hotel guest here in Germany like in other countries.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
QRP ARCI #11295 <http://www.qrparci.org>

Date: Mon, 12 May 2003 12:30:36 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [150447] Re: advice on operation in Germany?
Message-ID: <NFBBIILMKCMIIILGKAJMBLKEPCJAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Some you may remember my QRV? article written in the backseat of an Audi A6 cruising along the Autobahn at about 230kmph. Isn't this hobby wonderful or what?

One little additional suggestion, when working 40M in Europe for the first time, especially at night, be sure you've got a decent rig with you, e.g. one with decent receive filters (my preferences for operating in Europe are my K1 or one of the DSW rigs). There is quite a bit more SWL BCI than we're used to over here in the States...

72 de Mike, K04WX

Date: Sat, 10 May 2003 12:35:23 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: WJurgens@t-online.de
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150448] Re: what is the correct cw for qrpp power?
Message-ID: <3EBD2A4B.4E1FAABB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Frankly, there is no correct form. First, for non-QRP contacts, there is no need to say anything other than pwr hr is 500 mw. Only among other QRPers does it really matter. Here you should use whatever fits.

It seems to me that the time has passed that QRPers need to brag about the power we don't use. 10 years ago it was a novelty. Now QRP is pretty well accepted around the world. Those that love it love it, those that hate it hate it!73

Date: Sat, 10 May 2003 12:37:46 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: WJurgens@t-online.de
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150449] Re: advice on operation in Germany?
Message-ID: <3EBD2ADA.30D8271E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You should also remember that there 40 meter band is different than ours!

73

Date: Mon, 12 May 2003 12:46:11 -0400
From: "Niel Skousen" <skousen@srv.net>
To: <qrp-1@lehigh.edu>
Subject: [150450] R-1000 or other 'black box' recievers from linux
Message-ID: <NFBBIILMKOLCLMCKFACLDKEPELIAA.skousen@srv.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

I've got a linux box available to 'host' a 'pc' controlled reciever.
Anybody able to point me to linux control software for an R-1000 or similar
wide-band, all mode recievers ?

Thanks
Niel
WA7SSA

Date: Mon, 12 May 2003 12:44:36 -0400
From: "Mike Boatright" <ko4wx@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [150451] Re: QRP Test Equipment
Message-ID: <NFBBIILMKMIILGKAJMBLGEMACJAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you buy it at Dayton, and you may be able to get both authors to
autograph a
copy. I have it on good authority (like, I'm planning to pick them up at
the Cincinnati airport Wednesday afternoon) that they may be lurking the
halls of the Ramada Inn...

72 de Mike, K04WX

Date: Mon, 12 May 2003 17:01:09 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: <DK3RED@t-online.de>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150452] RE: advice on operation in Germany?
Message-ID: <LMEFJBBFINEDEOKDIPCPEEHIDAAA.tf3vst@vortex.is>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

It is MANDATORY to use /M or /P under the CEPT license. Everywhere,
including in Germany!

You can read the CEPT T/R 61-01 regulation at:
<http://www.ero.dk/doc98/Official/word/TR6101E.DOC>
and also, what you need to operate with a US license (non CEPT) in a CEPT
country, refer to ARRL website:
<http://www.arrl.org/htdig/?method=and&words=CEPT>

Extract from CEPT:

3.2. Authorisation is granted for utilisation of a portable or mobile
station only. A portable station shall, for the purposes of this
Recommendation, include any station using mains electricity at a temporary
location, e.g. a hotel or a camping site.

and from article 3.6.:

For a mobile amateur radio station the national call sign must be followed
by the characters "/M" (telegraphy) or the word "mobile" (telephony). For a
portable amateur radio station the national call sign must be followed by
the characters "/P" (telegraphy) or the word "portable" (telephony).

Please don't guess when it comes to law and regulation, be informed and
enjoy the operation without unnecessary disturbance due to not doing it
right

73 es gl on bands
de Villi TF3VS

> That's right. It's not necessary to add a "/"P" or "/"M" on your call in
> DL (you can but you need not).
>

Date: Mon, 12 May 2003 17:40:04 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [150453] SuSE Linux for Free [long]
Message-ID: <5.2.1.1.0.20030512171122.00b133c8@smtp.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have bought just about every copy of LINUX for the PC that can be bought at Fry's Electronics. Now. Not to get into flame wars on which is the best and it is just like talking about super glue with this group. My personal favorite is SuSE 8.X, where 8.2 is the latest and greatest. Cost is \$79.99 for the Professional Version and that is the one that you should get if you get any version. The Pro version gives you more software than you can ever use in a lifetime.

So here is the deal. I have SuSE 8.1 Professional on DVD and CD. The DVD consists of only one disc. The CD version consists of 7 CDs. This includes the binaries for everything and the source code also for all but some of the commercial packages that run complete but the authors aren't giving up the source code.

I am going to release my copies of these to the QRP-L group. The deal is that you can not keep them, you must pass them on to the next individual within 7 days of receiving them. No exceptions to this rule please or it will take forever. The DVD will go separate from the CDs. So if you have a the ability to copy DVDs, then you will want to go with it. Otherwise get the CD set.

I have all the CDs in DiscSavers (tm) so that they shouldn't get damaged in shipment and I will send them out Priority Mail to the first person for each set that sends me email. Then I'll make up a list that I will keep on file and make sure that they keep in circulation. The only thing that will be missing is the manuals, but I think you can go to

<http://www.suse.com/>

and find help online or you can send me email at k7qo@earthlink.net

Before I get mail on this, LINUX is not copyright and may be distributed freely and if you have high speed internet you can download this stuff from their web site as well as RedHat and the others. It just takes less time to use the CDs and you can have a copy on hand if you make one.

Send me email if you want to get on the list and give me which one you want (DVD or CDs). Let me know if you can copy DVDs.

Now the SuSE 8.2 Pro is an improved version, but it comes on 5 CDs and 2 DVDs. The only issue is that the source code is available only on the second DVD. If they had put the source code on CDs the distribution would have required an addition FIVE (5) CDs. :-)

There are two important programs that I use under this O/S. Spice3F5 for circuit simulation and NEC2 for antenna modeling. I have a tutorial on my web page for the first and there are several web sources for NEC2 modeling including L.B. Cebik's home page. Also see

<http://www.nec2.org/>

Two other programs are my CW generation and Schematic generation and the CW program I have on the web. The schematic I'll work on getting there in a month or two because it will take that long for me to get the interface more friendly to the masses and then it may not be all that friendly.... :-)

BTW. You should have a second drive in your system, if you want to run WindowsXX part of the time, that is at least 20GB as the O/S with the source takes almost 10GB!!!

My laser guided bomb program (circa 1967) and other Monte Carlo codes written in FORTRAN and C many years ago used to take about 3.5hrs or more on SGI ONYX super computer systems and Cray supers. It is interesting to note that these same programs under LINUX take less than 15 minutes on an AMD Duron system running at 1.8GHz!!! You don't have to have the high speed processor but you should have at least a Pentium 4 or similar system and not the old Intel systems.

I assure that once you get hooked on 8.1 you will go out and buy 8.2. :-)

FYI

Chuck Adams K7QO k7qo@earthlink.net

<http://www.qsl.net/k7qo>

CP-60

Date: Mon, 12 May 2003 14:08:21 -0400
From: Robin Kidd <robink@us.ibm.com>
To: qrp-1@Lehigh.EDU
Subject: [150454] Re: SuSE Linux for Free [long]
Message-ID: <0F6947744D.AC5E369E-0N85256D24.00637E82-85256D24.0063A445@us.ibm.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

I would be VERY careful about this because you can run into a licensing issue here. It is a very nice gesture but don't hang yourself out to dry...

Regards,

Robin J. Kidd
Advisory IT Specialist
AMS Learning Technologies
IBM Global Services

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

Internet: robink@us.ibm.com
Phone: 770.835.3596(T/L 596)

Discussion" <qrp-1@Lehigh.EDU> et> Sent by:	Chuck Adams <k7qo@earthlink.n To: "Low Power Amateur Radio cc: Subject: SuSE Linux for Free
[long]	owner-qrp-1@Lehigh.EDU

05/12/2003 12:40
Please respond to
k7qo

Gang,

I have bought just about every copy of LINUX for the PC that can be bought at Fry's Electronics. Now. Not to get into flame wars on which is the best and it is just like talking about super glue with this group. My personal favorite is SuSE 8.X, where 8.2 is the latest and greatest. Cost is \$79.99 for the Professional Version and that is the one that you should get if you get any version. The Pro version gives you more software than you can ever use in a lifetime.

So here is the deal. I have SuSE 8.1 Professional on DVD and CD. The DVD consists of only one disc. The CD version consists of 7 CDs. This includes the binaries for everything and the source code also for all but some of the commercial packages that run complete but the authors aren't giving up the source code.

I am going to release my copies of these to the QRP-L group. The deal is that you can not keep them, you must pass them on to the next individual within 7 days of receiving them. No exceptions to this rule please or it will take forever. The DVD will go separate from the CDs. So if you have a the ability to copy DVDs, then you will want to go with it. Otherwise get the CD set.

I have all the CDs in DiscSavers (tm) so that they shouldn't get damaged in shipment and I will send them out Priority Mail to the first person for each set that sends me email. Then I'll make up a list that I will keep on file

and make sure that they keep in circulation. The only thing that will be missing is the manuals, but I think you can go to

<http://www.suse.com/>

and find help online or you can send me email at k7qo@earthlink.net

Before I get mail on this, LINUX is not copyright and may be distributed freely and if you have high speed internet you can download this stuff from their web site as well as RedHat and the others. It just takes less time to use the CDs and you can have a copy on hand if you make one.

Send me email if you want to get on the list and give me which one you want (DVD or CDs). Let me know if you can copy DVDs.

Now the SuSE 8.2 Pro is an improved version, but it comes on 5 CDs and 2 DVDs. The only issue is that the source code is available only on the second DVD. If they had put the source code on CDs the distribution would have required an addition FIVE (5) CDs. :-)

There are two important programs that I use under this O/S. Spice3F5 for circuit simulation and NEC2 for antenna modeling. I have a tutorial on my web page for the first and there are several web sources for NEC2 modeling including L.B. Cebik's home page. Also see

<http://www.nec2.org/>

Two other programs are my CW generation and Schematic generation and the CW program I have on the web. The schematic I'll work on getting there in a month or two because it will take that long for me to get the interface more friendly to the masses and then it may not be all that friendly.... :-)

BTW. You should have a second drive in your system, if you want to run WindowsXX part of the time, that is at least 20GB as the O/S with the source takes almost 10GB!!!

My laser guided bomb program (circa 1967) and other Monte Carlo codes written in FORTRAN and C many years ago used to take about 3.5hrs or more on SGI ONYX super computer systems and Cray supers. It is interesting to note that these same programs under LINUX take less than 15 minutes on an AMD Duron system running at 1.8GHz!!! You don't have to have the high speed processor but you should have at least a Pentium 4 or similar system and not the old Intel systems.

I assure that once you get hooked on 8.1 you will go out and buy 8.2. :-)

FYI

Chuck Adams K7QO k7qo@earthlink.net

<http://www.qsl.net/k7qo>

CP-60

Date: Mon, 12 May 2003 12:18:17 -0600 (MDT)
From: "Mike" <kw1nd.web@homeinternet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [150455] Looking for county/state/country border intersection activity site
Message-ID: <49892.156.153.254.2.1052763497.squirrel@webmail.velocitus.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Greetings, all. Quite some time back, I came across a web site promoting radio operation from county, state and country borders & intersections. This is not the ARS Top of the World program.

Despite Googling, I can't seem to come up with the magical words to find the site. Anyone out there know which site I'm referring to?

73

Mike, KW1ND

Date: Mon, 12 May 2003 20:25:25 +0200
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: <nskousen@talisman-intl.com>, "Niel Skousen" <skousen@srv.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150456] Re: R-1000 or other 'black box' receivers from linux
Message-ID: <200305122025.25730.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Hello Niel,
There is a linux project named Hamlib. Hamlib is a library to control tx/rx with a common interface. You find the lib on <http://hamlib.sourceforge.net/>

There are also some programs which use the lib and provide a user interface.
Look for Grig.

72 de Wolf, DL2WRJ

On Monday 12 May 2003 18:46, Niel Skousen wrote:

> Hi gang,
>
> I've got a linux box available to 'host' a 'pc' controlled reciever.
> Anybody able to point me to linux control software for an R-1000 or similar
> wide-band, all mode recievers ?
>
> Thanks
> Niel
> WA7SSA

--

Today is the tomorrow you worried about yesterday.
(/usr/games/fortune)

Date: Mon, 12 May 2003 20:29:39 +0200
From: DK3RED@t-online.de (Ingo Meyer DK3RED)
To: qrp-l@lehigh.edu
Subject: [150457] RE: advice on operation in Germany?
Message-ID: <5.2.1.1.1.20030512202012.0285ad30@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Villi,

>It is MANDATORY to use /M or /P under the CEPT license. Everywhere,
>including in Germany!

The official information you wrote is to add "/P" or "/M". I read this
also on the homepage of my German amateur radio club (DARC) at the link

<http://www.ero.dk/doc98/official/Word/TR6101E.DOC>

But I found also a differently info in our German club magazine (CQ DL)
and (!) on our German club homepage

<http://www.darc.de/referate/ausland/foreign/cept-anw.html> (German).

I will check this.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de <http://www.t-online.de/~dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>
QRP ARCI #11295 <http://www.qrparci.org>

Date: Mon, 12 May 2003 11:41:36 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [150458] Re: SuSE Linux for Free [long]
Message-ID: <Law8-F43gz24z7apNYV0001172f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Robin Kidd wrote:

>I would be VERY careful about this because you can
>run into a licensing issue here. It is a very nice gesture
>but don't hang yourself out to dry...

What licensing issue?

Maybe with products from Redmond, but this is Linux,
and it's different. FUD is not needed.

I use Slackware myself; I download new versions (ADSL
is handy :-) to evaluate them, then buy the CD package
when it shows up in the computer stores so Patrick & Co.
can afford to eat.

I strongly encourage hams to use Linux - the price is
right (we are, after all, a notoriously cheap bunch), it
runs well on older hardware, and it just plain works.
I wouldn't mind seeing more hams being something
more than helpless consumers of technology at the
mercy of Bill.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

STOP MORE SPAM with the new MSN 8 and get 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Mon, 12 May 2003 14:48:23 -0400
From: steve.lawrence@itwfeg.com
To: schoon@amgt.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150459] Re: RFC First Time Solar Power in the Field
Message-ID: <OFF4BB9CD6.1CBA0C54-0N85256D24.0065D92D-85256D24.00674E99@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Mark,
I've seen two relatively inexpensive charge controllers that generate no RFI -- I own one: the "Micro M+". This controller was detailed in QST 10/01 and from own experience, it is truly RFI free. It is available as a kit. Details are here:

<http://www.seslogic.com/microm+.html>

Also available through Kanga:

<http://www.bright.net/~kanga/kanga/sunlogic.htm>

Another RFI free design is also available as a kit through one of the "regulars" on the Elecraft list: Don Brown KD5NDB (email: DolfinDon@msn.com). I believe the cost is \$25.

Both of these controllers sense the terminal voltage of the battery. If below the set voltage point, the controllers allow current to flow into the battery. If at/above, the controllers pulse the incoming current

I will be taking my station to summer camp with my scouts in June. I use a Unisolar USF-5 flexible panel and the Micro M+ controller to keep a 7ah SLA battery "fresh" for the week, while powering my K2 for some evening operating. I'm building another antenna to take: a PAC-12 portable vertical. Will do some side-by-side comparisons to a end-fed "random" wire, and a center fed dipole.

GL,
Steve
aa8af

Mark Schoonover <schoon@amgt.com>
Sent by: owner-qrp-l@Lehigh.EDU
05/12/2003 12:11 AM
Please respond to schoon

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: RFC First Time Solar Power in the Field

Thanks for reading!!

I'll be taking my first week camping trip with the Boy Scouts here in July. It'll be my first time with 817 in tow, and not being near mains to recharge the batteries for over a week. Oh, will have a VX5R as well. The 817 has MAHA, and W4RT battery packs. Here's my thoughts:

I have a flexible 10 watt solar panel, and a couple of small 2AH SLAs hanging around. My idea is to have this fully charged prior to departure, as well as all the batteries for my portables. I was thinking of using the SLA to charge the 817/VX5 at night, while the solar panel can recharge the SLAs during the day when I'm out and about. That way I could just set up a solar charging station in my tent, and leave that heavier gear there. Now, I could spend about \$45 and get a real charge controller and it's all probably said and done. Since the SLAs will be float charged at about 12v, I was thinking of just using a 2 amp 12v regulator instead. Is the latter an OK thing to do??

I'm reasonably sure I'll have enough solar power to replace what the 817 and VX5 will need to recharge during the day. I'll be at 7000 feet, in the Sierra Nevada in Southern California. There should be plenty of sunlight to go around. I would enjoy hearing what others have done!

72

.mark
KA6WKE

Owner/Operator - Red Truck Delivery Service

Date: Mon, 12 May 2003 21:00:03 +0200
From: WJuergens@t-online.de (Wolf-Ruediger Juergens)
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150460] Re: what is the correct cw for qrpp power?
Message-ID: <200305122100.03070.wjuergens@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

On Saturday 10 May 2003 18:35, Bruce Muscolino wrote:
> Frankly, there is no correct form. First, for non-QRP contacts, there
> is no need to say anything other than pwr hr is 500 mw. Only among
> other QRPers does it really matter. Here you should use whatever fits.

Ok, that's a wise answer, thanks for clarify this. Thanks all who have send an
answer per PM.

Can I forward your answer to the german list?

72 de Wolf, DL2WRJ

--

Today is the tomorrow you worried about yesterday.
(/usr/games/fortune)

Date: Mon, 12 May 2003 15:03:50 -0400
From: T + J Williams <wa0eir@comcast.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [150461] RE: SuSE Linux for Free [long]
Message-ID: <000001c318b9\$3a190340\$6401a8c0@adubn1.nj.home.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

You tell 'um, Laura! Someone needs to read up on the GNU GPL license.
If what they say here is true, <http://www-1.ibm.com/linux/> ,
they had better check what they make available on their download link
:-)

73,
Ted - wa0eir

www.qsl.net/wa0eir

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]
> On Behalf Of laura halliday
> Sent: Monday, May 12, 2003 2:42 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: SuSE Linux for Free [long]
>
>
> Robin Kidd wrote:
>
> >I would be VERY careful about this because you can
> >run into a licensing issue here. It is a very nice gesture
> >but don't hang yourself out to dry...
>
> What licensing issue?
>
> Maybe with products from Redmond, but this is Linux,
> and it's different. FUD is not needed.
>
> I use Slackware myself; I download new versions (ADSL
> is handy :-) to evaluate them, then buy the CD package
> when it shows up in the computer stores so Patrick & Co.
> can afford to eat.
>
> I strongly encourage hams to use Linux - the price is
> right (we are, after all, a notoriously cheap bunch), it
> runs well on older hardware, and it just plain works.
> I wouldn't mind seeing more hams being something
> more than helpless consumers of technology at the
> mercy of Bill.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN891g pied a terre..."
> ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte
>
>
> -----
> STOP MORE SPAM with the new MSN 8 and get 2 months FREE*
> <http://join.msn.com/?page=features/junkmail>
>

Date: Mon, 12 May 2003 15:13:14 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: marsgal42@hotmail.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150462] Re: SuSE Linux for Free [long]
Message-ID: <3EBFF24A.1020504@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

laura halliday wrote:

> Robin Kidd wrote:
>
>> I would be VERY careful about this because you can
>> run into a licensing issue here. It is a very nice gesture
>> but don't hang yourself out to dry...
>
>
> What licensing issue?
>
> Maybe with products from Redmond, but this is Linux,
> and it's different. FUD is not needed.

I'm not sure Robin was trying to spread FUD. Since we're talking about Suse Linux Professional (can one download the Pro version?) is it possible that there are some bundled apps that are not freely distributable? After all, Linux is just the kernel, and although most of the apps may be GPL'ed, must they all be? I could find no answer at suse.com...

73
Jim N3VXI

Date: Mon, 12 May 2003 15:09:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <marsgal42@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150463] Re: SuSE Linux for Free [long]
Message-ID: <002701c318ba\$09605e00\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Robin Kidd wrote:
>
> >I would be VERY careful about this because you can

> >run into a licensing issue here. It is a very nice gesture
> >but don't hang yourself out to dry...
>
> What licensing issue?
>
> Maybe with products from Redmond, but this is Linux,
> and it's different. FUD is not needed.

While the linux may be free and open, the 'package' is not necessarily so.

Although, from a 'practical' standpoint, as long as Chuck bought each version as a complete version, then he'd almost certainly be exempt from any issue.

Mike

Date: Mon, 12 May 2003 14:11:51 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [150464] Re: OT SuSE Linux for Free [long]
Message-ID: <5.2.0.9.0.20030512140305.00a75300@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

If anything with the Open Licence that Linux uses, the vendors have the responsibility to make sure that their product are freely available for downloading, I sure like that licensing, and Linux is extremely stable, I ran a test on one of my old PC's, I ran it for six month without rebooting, the test stopped only because of a power failure that outlasted the UPS.

At 01:41 PM 5/12/2003, laura halliday wrote:

>Robin Kidd wrote:
>
>>I would be VERY careful about this because you can
>>run into a licensing issue here. It is a very nice gesture
>>but don't hang yourself out to dry...
>
>What licensing issue?
>
>Maybe with products from Redmond, but this is Linux,
>and it's different. FUD is not needed.
>
>I use Slackware myself; I download new versions (ADSL

>is handy :-) to evaluate them, then buy the CD package
>when it shows up in the computer stores so Patrick & Co.
>can afford to eat.

>

>I strongly encourage hams to use Linux - the price is
>right (we are, after all, a notoriously cheap bunch), it
>runs well on older hardware, and it just plain works.
>I wouldn't mind seeing more hams being something
>more than helpless consumers of technology at the
>mercy of Bill.

>

>Laura Halliday VE7LDH "Que les nuages soient notre
>Grid: CN89lg pied a terre..."
>ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

>

>

>-----
>STOP MORE SPAM with the new MSN 8 and get 2 months FREE*
><http://join.msn.com/?page=features/junkmail>

Cecil
KD5NWA

Date: Mon, 12 May 2003 22:14:31 +0200
From: "Paul M" <mooney@cytanet.com.cy>
To: <marsgal42@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150465] Re: SuSE Linux for Free [long]
Message-ID: <000e01c318c3\$2f22b940\$2ef7fea9@j7s9b5>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Robin Kidd wrote:

>

>>I would be VERY careful about this because you can
>>run into a licensing issue here. It is a very nice gesture
>>but don't hang yourself out to dry...

>

>What licensing issue?

>

>Maybe with products from Redmond, but this is Linux,
>and it's different. FUD is not needed.
>
>I use Slackware myself; I download new versions (ADSL
>is handy :-) to evaluate them, then buy the CD package
>when it shows up in the computer stores so Patrick & Co.
>can afford to eat.
>
>I strongly encourage hams to use Linux - the price is
>right (we are, after all, a notoriously cheap bunch), it
>runs well on older hardware, and it just plain works.
>I wouldn't mind seeing more hams being something
>more than helpless consumers of technology at the
>mercy of Bill.
>
>Laura Halliday VE7LDH "Que les nuages soient notre
>Grid: CN89lg pied a terre..."
>ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte
>

I'm going to support Laura here, if you don't want to go Chuck's route you can download SuSE 8.2 for free from their web site. yes, it'll take hours even with DSL connection but that's one of the beauties of linux. (The others are already well documented e.g. security & stability).

Don't forget, it was built by the internet, and has always been distributed by the net. The GPL license states that code must always be free - saying that there are also commercial apps that don't use free-source code, but that's a different matter.

Paul M.

Date: Mon, 12 May 2003 15:23:23 -0400
From: ae5x@netscape.net (John Harper AE5X)
To: qrp-l@lehigh.edu
Subject: [150466] Re: Looking for county/state/country border intersection activity site
Message-ID: <187618D5.7C31CDD2.00003ABB@netscape.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

<http://www.confluence.org/>

--

John Harper AE5X
80 Meter DXing & Outdoor QRP: <http://www.ae5x.com>

Try AOL and get 1045 hours FREE for 45 days!
<http://free.aol.com/tryaolfree/index.adp?375380>

Get AOL Instant Messenger 5.1 free of charge. Download Now!
<http://aim.aol.com/aimnew/Aim/register.adp?promo=380455>

Date: Mon, 12 May 2003 15:29:09 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: jce0@Lehigh.EDU
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150467] Re: SuSE Linux for Free [long]
Message-ID: <3EBFF605.3020109@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

> I'm not sure Robin was trying to spread FUD. Since we're talking
> about Suse Linux Professional (can one download the Pro version?) is it
> possible that there are some bundled apps that are not freely
> distributable? After all, Linux is just the kernel, and although most
> of the apps may be GPL'ed, must they all be? I could find no answer at
> suse.com...
>
> 73
> Jim N3VXI

Answering myself :-)

Found this at <http://www.suse.com/us/private/download/index.html>

"SuSE offers the possibility to install SuSE Linux free of charge directly from the FTP server. The function scope of FTP versions is virtually the same as that of the "normal" version. Merely a few program packages have been excluded due to license reasons. The installation support is not included either."

73
Jim N3VXI

Date: Mon, 12 May 2003 15:24:06 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mooney@cytanet.com.cy>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150468] Re: SuSE Linux for Free [long]
Message-ID: <004b01c318bc\$1256c2e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Don't forget, it was built by the internet, and has always been
distributed
> by the net. The GPL license states that code must always be free -
saying
> that there are also commercial apps that don't use free-source code, but
> that's a different matter.
>
> Paul M.

If it's so free, then how did Chuck have to pay \$79.99?

Date: Mon, 12 May 2003 22:28:20 +0200
From: "Paul M" <mooney@cytanet.com.cy>
To: <k7qo@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [150469] Re: SuSE Linux for Free [long]
Message-ID: <001901c318c5\$0c317e60\$2ef7fea9@j7s9b5>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Gang,
>
>I have bought just about every copy of LINUX for the PC that can
>be bought at Fry's Electronics. Now. Not to get into flame wars
>on which is the best and it is just like talking about super glue with
>this group. My personal favorite is SuSE 8.X, where 8.2 is the latest
>and greatest. Cost is \$79.99 for the Professional Version and that is

>the one that you should get if you get any version. The Pro version
>gives you more software than you can ever use in a lifetime.

<SNIP>

>
>Before I get mail on this, LINUX is not copyright and may be distributed
>freely and if you have high speed internet you can download this stuff
>from their web site as well as RedHat and the others. It just takes
>less time to use the CDs and you can have a copy on hand if you make one.
>
>Send me email if you want to get on the list and give me which one
>you want (DVD or CDs). Let me know if you can copy DVDs.
>
>
>FYI

Nice gesture, Chuck, well done.

One small point, Linux IS copyright, the name Linux was registered to Linus Torvalds about 3-4 years back after some guy tried to copyright it himself - users/developers all over the world kicked up such a fuss that even the law took notice.

The conditions of the packages can be found at
<http://www.gnu.org/copyleft/gpl.html>

The one line that strikes me is "When we speak of free software, we are referring to freedom, not price". You can sell the source code for a *reasonable* price (SuSEs price is very reasonable, IMO, for a full operating system, office suites (plural), ham programs, firewalls, networking apps, etc, etc, etc).

Most of the SuSE (and other distributions) are open-source, i.e. the copyright (as I understand it) says that you can use the code AND FREELY DISTRIBUTE IT, *but* there are some commercial packages which SuSE et al might have made private arrangements with, plus their installer (YaST) is not open source and so MAY be restricted.

BTW, I use Mandrake 9.1 at home

Paul M

Date: Mon, 12 May 2003 15:42:22 -0400

From: Caitlyn Martin <ku4qd@earthlink.net>
To: k5di@zianet.com
Cc: qrp-1@lehigh.edu
Subject: [150470] Re: This is getting bad!
Message-ID: <20030512154222.6b09da6d.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Mon, 12 May 2003 09:50:37 -0600 (MDT)
"Karl F. Larsen" <k5di@zianet.com> wrote:

>
> The numbers are 92 A=27 K=4 and the bands are worthless. I don't
>
> recall this much flare problems during a sunspot minimum. Last minimum
>
> it was common to have 85 A=4 K=1 and things were not great but you
> could get out...

Hi, Karl, and everyone else,

Most of my operation has shifted to VHF SSB/CW QRP because the HF bands have been so miserable for the past week or so. Fortunately, there has been both Es on 6m and Es and/or ducting on 2m on and off, so I am having success at times. Typically I run 10W SSB, but if I find a CW op I often run very low power indeed, down to 200-250mW. Sadly, outside of contests and major band openings CW ops are rarely heard on those bands.

72/73,
Caity
KU4QD

Date: Mon, 12 May 2003 12:35:22 -0700
From: Mark Schoonover <schoon@amgt.com>
To: "'myetsko@insydesw.com'" <myetsko@insydesw.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150471] RE: SuSE Linux for Free [long]
Message-ID: <BF889CEBEFD2D511B993009027F60ABE4F6C7F@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Mike,

Because it's free as in speech, not free as in beer... Makes a

difference!

72

.mark

>-----Original Message-----

>From: Mike Yetsko [mailto:myetsko@insydesw.com]

>Sent: Monday, May 12, 2003 12:24 PM

>To: Low Power Amateur Radio Discussion

>Subject: Re: SuSE Linux for Free [long]

>

>

>> Don't forget, it was built by the internet, and has always been

>distributed

>> by the net. The GPL license states that code must always be free -

>saying

>> that there are also commercial apps that don't use

>free-source code, but

>> that's a different matter.

>>

>> Paul M.

>

>If it's so free, then how did Chuck have to pay \$79.99?

>

>

>

>

Date: Mon, 12 May 2003 15:57:19 -0400

From: Robin Kidd <robink@us.ibm.com>

To: qrp-1@Lehigh.EDU

Subject: [150472] Re: SuSE Linux for Free [long]

Message-ID: <0F6B6D604F.55C7A874-0N85256D24.006D0E93-85256D24.006D9E78@us.ibm.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

I use Linux everyday in a server environment and like many I prefer it to Micro\$oft. What I was talking about in my previous note was the fact that if you are redistributing the "packaged" version that you paid for you can get into a bind. Linux is certainly free to download but the packaged

software from SuSE is not. I did not mean to start a "flame" war here but I have been down this road before. I was merely trying to point out that care needs to be taken when redistributing packaged software, even if it is Linux.

Regards,

Robin J. Kidd
Advisory IT Specialist
AMS Learning Technologies
IBM Global Services

Remember, the Ark was created by inspired amateurs but the Titanic was created by professionals...

Internet: robink@us.ibm.com
Phone: 770.835.3596(T/L 596)

Date: Mon, 12 May 2003 15:55:29 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [150473] Re: SuSE Linux for Free [long]
Message-ID: <3EBFFC31.9020504@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Because I do not want to see Chuck locked-up (however unlikely that might be) and since I have a big fat internet pipe I would be willing to download and burn CD's for any (or all) the major distributions of Linux, and forward to Chuck for distribution and tracking if there is interest and he is willing. Lemme know Chuck.

73
Jim N3VXI

Date: Mon, 12 May 2003 15:49:35 -0400
From: "Tom" <kf4yyd@adelphia.net>
To: "NJQRP" <njqrp@njqrp.org>, "qrp-1" <qrp-1@lehigh.edu>
Subject: [150474] Need definition please

Message-ID: <EIEBLEILGEEGMLHGHOAGGEGPCFAA.kf4yyd@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK, while I admit the internet has a wealth of information for the picking,
I can't seem to word this right on GOOGLE and get an answer.

On an electronic schematic what does the term Vee represent???????

The schematic I'm studying uses a split 6 volt power supply (+/- 6 Volts)
and some connections are labled Vcc and some are labled Vee. My thinking is
to put the positive voltage on Vcc and the negative on Vee. Is this correct?

Also is there a source on the net for schematic notation standards? I looked
but can't seem to find anything and was curious.

Thanks in advance,

de Tom kf4yyd

Date: Mon, 12 May 2003 14:04:08 -0600 (MDT)
From: "Mike" <kw1nd.web@homeinternet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [150475] Re: Looking for county/state/country border intersection
activity site
Message-ID: <54907.156.153.254.2.1052769848.squirrel@webmail.velocitus.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

John Harper AE5X said:
> <http://www.confluence.org/>

Thanks, John. This is s similar site, but not quite the one I had in mind.
The other site wasn't concerned with degrees of lat & lon converging, but
was much broader, including intersections such as boundaries. Thanks for
the link, though.

73

Mike KW1ND

Date: Mon, 12 May 2003 16:11:49 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: myetsko@insydesw.com
Cc: QRP-L@lehigh.edu
Subject: [150476] Re: SuSE Linux for Free [long]
Message-ID: <20030512161149.4a8e22c6.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Mon, 12 May 2003 15:24:06 -0400
"Mike Yetsko" <myetsko@insydesw.com> wrote:

>
> If it's so free, then how did Chuck have to pay \$79.99?

The code is free. What you are paying for when you buy a commercial copy of Linux (Red Hat, SuSe, Mandrake, etc...) is 1) printed documentation, 2) some level of support, and 3) the warm fuzzy feeling that you are supporting the Open Source community rather than freeloading. Also, some commercial proprietary apps can be bundled with the boxed version, and you may be paying for those. Downloadable versions never include proprietary apps.

Free, in the case of the Open Source movement, refers to intellectual freedom, not free of cost, as in "free beer". Yes, there is no upfront cost to downloading Linux, and you can use it on as many systems as you like without paying a penny. However, if you do like the software and can afford to do so, you should seriously consider supporting the Linux companies out there by buying something, whether that's a boxed copy, a book, support, or whatever else pleases you.

I mostly have run Red Hat Linux, but a friend has been raving about how good Mandrake 9.1 is. I used a freely downloaded and burned copy to load this system. No license violation there since the three CD downloadable version ONLY contains Open Source software (GPL, LGPL, BSD license, etc...). It's good, but I probably will move back to Red Hat.

I, too, will join Laura in recommending Linux. It is faster than current versions of Windows for the same or equivalent applications, it is far more stable than any version of Windows to date, it doesn't violate your privacy or report home to a manufacturer, there is plenty of very good ham software (both commercial and free) available, and your hard earned money doesn't go to support a greedy monopolist with

questionable business practices.

One caveat, of course: Linus Torvalds, the creator of Linux, once compared changing operating systems with performing brain surgery on yourself. Just as moving from Mac to Windows (or vice versa) takes some relearning, so does moving from either of those to Linux.

72/73,
Caity
KU4QD

Date: Mon, 12 May 2003 16:16:52 -0400
From: T + J Williams <wa0eir@comcast.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [150477] RE: SuSE Linux for Free [long]
Message-ID: <000101c318c3\$6de0e350\$6401a8c0@adubn1.nj.home.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> >
> > If it's so free, then how did Chuck have to pay \$79.99?
>
> The code is free. What you are paying for when you buy a commercial
> copy of Linux (Red Hat, SuSe, Mandrake, etc...) is 1) printed
> documentation, 2) some level of support, and 3) the warm fuzzy feeling
> that you are supporting the Open Source community rather than
> freeloading. Also, some commercial proprietary apps can be
> bundled with
> the boxed version, and you may be paying for those. Downloadable
> versions never include proprietary apps.

Great answer, Cathlyn. The short answer comes from the GNU GPL itself -

You may charge a fee for the physical act of transferring a copy, and
you may at your option offer warranty protection in exchange for a fee.

73,
Ted - wa0eir
www.qsl.net/wa0eir

Date: Mon, 12 May 2003 13:19:24 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [150478] Re: SuSE Linux for Free [long]
Message-ID: <20030512201924.GA4718@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, May 12, 2003 at 03:29:09PM -0400, Jim Eshleman wrote:

> > I'm not sure Robin was trying to spread FUD. Since we're talking
> > about Suse Linux Professional (can one download the Pro version?) is it
> > possible that there are some bundled apps that are not freely
> > distributable? After all, Linux is just the kernel, and although most
> > of the apps may be GPL'ed, must they all be? I could find no answer at
> > suse.com...
> >
> >73
> >Jim N3VXI
>
> Answering myself :-)
>
> Found this at <http://www.suse.com/us/private/download/index.html>
>
> "SuSE offers the possibility to install SuSE Linux free of charge
> directly from the FTP server. The function scope of FTP versions is
> virtually the same as that of the "normal" version. Merely a few program
> packages have been excluded due to license reasons. The installation
> support is not included either."
>
> 73
> Jim N3VXI

Most Linux software is issued under the GNU General Public License (GPL), but there are many other licenses and some packages do not include the right to distribute any copies. Others may have restrictions on the right to distribute source code, modified binaries, etc. One needs to read the appropriate license to determine which rights are conveyed.

Even Debian, which is non-commercial and probably the "free"-est Linux distribution (and IMHO the one with the best ham radio support, although SuSE has quite a bit) has "non-free" packages (which are available for download, but, as a matter of policy, not on included the official CD images.)

73,

Bob, N7XY

Date: Mon, 12 May 2003 16:20:08 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [150479] Re: Need definition please
Message-ID: <5.1.1.6.1.20030512161334.00a42ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:49 PM 5/12/2003 -0400, you wrote:

>OK, while I admit the internet has a wealth of information for the picking,
>I can't seem to word this right on GOOGLE and get an answer.

>

>On an electronic schematic what does the term Vee represent???????

Tom,

Vee generally refers to a negative supply voltage. I think the 'e' means 'emitter.' Vcc ('c' for 'collector') is the matching positive voltage. The polarities imply a bipolar NPN transistor bias.

In FET circuitry, Vss would be the negative (source) voltage and Vdd the positive (drain) voltage.

I'm sure I'm overlooking something, but this is usually how I read them.

Dave

>The schematic I'm studying uses a split 6 volt power supply (+/- 6 Volts)
>and some connections are labled Vcc and some are labled Vee. My thinking is
>to put the positive voltage on Vcc and the negative on Vee. Is this correct?

>

>Also is there a source on the net for schematic notation standards? I looked
>but can't seem to find anything and was curious.

>

>Thanks in advance,

>

>de Tom kf4yyd

Dave Hinerman

WD8CIV@worldnet.att.net

Date: Mon, 12 May 2003 16:58:46 -0400
From: "Nils R. Young" <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [150480] Closing in on FD & an AH-4 story
Message-ID: <20030512.165908.-448031.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Well, right after I lost contact with my recently arrived copy of QQ, Cindy reminded me that Mothers' Day was comin' up. Used to be, when the Hamvention was in April, I'd get fired up to do antenna projects a couple weeks after finding out I hadn't won the grand prize. Which was usually Mothers' Day. So she reminded me. "Next weekend's Mothers' Day," she said.

"Good," I said. "I have an antenna project all planned out."

She didn't know I'd ordered an AH-4 auto tuner about two days earlier. And on last Wednesday it showed up. So I spent the next couple days staring at it & at the goofy way of hosing all the cables up to it. (If you don't know: you have to rig the RF feed with one end of the hose bare & the part that goes "inside" the tuner get a PL259 on it. Then, when you've got that passed through the water-tight/weather-proof connector, you put a PL259 on the radio end. The control cable, on the other hand, has a connector on the radio end & you push the wires into those push-and-insert thingies like cheap hifi speakers have. It's pretty lame, 'cause either way you end up with pigtails hanging out of a box.) Then on Saturday morning I started scrounging up the parts to modify that situation.

Now my brand-new AH-4 has a SO-239 connector instead of a pigtail with a PL259 on it. And the control cable goes through one of those four-pin connectors like Drake had on the front of the TR7. (I get 'em cheap at Rogers. Which is another story.)

I got the final mods done & checked out the tuner &c about two hours before my eldest showed up to tell us he hadn't gotten married in Gatlinburg a week before. (We found out he was engaged by reading a weblog entry on his website that was dated two or three days earlier. Parents: always the last to learn.)

The AH-4 worked pretty good. I was happy. Then we went to grandma's house where the family talked about their beach vacation plans. Cindy & I said that we thought we'd already blown it all on the Puerto Rico trip last month (story is on the fortunecity.com site under weblog). But I guess we didn't, 'cause Cindy got home and within a few minutes had us charge-carded for a week in Garden City Beach, as we'd done a bunch of times before with her brothers' families.

We'll be on the road on Field Day.

Yeah, Field Day. I'm gonna stuff the AH-4 & the '706 & a few other doodads in the car somehow so I can be mobile on FD. Makes sense to me! Heck, if we get to town early enough, I may even be whatever class it is when you're on vacation with the family & your antennas stuck to the back of the car by epoxy, rainwater, novenas, plenary indulgences & all that mystical stuff. Heck. I might just play 6m SSB mobile some part of the trip. And while I'm there too . . .

Any lunatics in Garden City Beach?

Now where'd I put that Vygotsky book? ? ? ?

73

Nils

Nils R. Bull Young -- W8IJN -- La Estancia de los Guajolotes Sonrientes
-- <http://w8ijn.tripod.com> -- <http://members.fortunecity.com/nilsbull>

--
"The island is closer than your memories are." -- Ian G. Bull Young, 15 Feb 2002

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 12 May 2003 15:04:16 -0600 (MDT)
From: "Mike" <kw1nd.web@homeinternet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [150481] Re: SuSE Linux for Free
Message-ID: <1398.156.153.254.10.1052773456.squirrel@webmail.velocitus.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Robin Kidd said:

> Linux is certainly free to download but the
> packaged software from SuSE is not.

Absolutely correct. In fact, SuSE is unique in that that while you can download their version, you are actually doing a real-time installation via the net (so don't even try it via dial-up access). You don't end up with a copy that you can burn to CD. Also, their download does not include commercial apps included in the packaged version. YAST2 (their setup & configuration utility) is included though it's not open-sourced code, because it's central to their flavor of Linux.

Other distributions (such as Slackware, Mandrake, etc.) have you download .iso files, which then are typically burned to a CD, then installed from that medium. You can't install directly during the download process as you do from SuSE.

And in case anyone is wondering, it's pronounced "S00 suh," not "S00 see" or any other variant.

It's nice to see discussions concerning Linux here, as it's completely in-line with the amateur practice of working with new and different technology. The concept that anyone (if they're willing to learn to program) can modify their operating system is very foreign to most people, particularly those from the Redmond camp. ("What? Tell end users how it works? Tell them why there are hidden files? Make it stable enough that they don't feel the need to upgrade every year? Never!")

And to end my tirade, a quote from Linus Torvalds, erstwhile father of Linux:

"Microsoft isn't evil. They just make really crappy operating systems."

73,

Mike KW1ND

Date: Mon, 12 May 2003 17:23:52 -0400
From: Jim Eshleman <jce0@Lehigh.EDU>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150482] Re: SuSE Linux for Free
Message-ID: <3EC010E8.4040502@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

> Absolutely correct. In fact, SuSE is unique in that that while you can
> download their version, you are actually doing a real-time installation
> via the net (so don't even try it via dial-up access). You don't end up
> with a copy that you can burn to CD.

Oh, sorry, being a Redhat type I did not know that. Guess I won't be
burning any SuSE CD's...

73

Jim N3VXI

Date: Mon, 12 May 2003 17:34:40 -0400
From: "Royce Simmons" <w2rbn@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Subject: [150483] RF Probe
Message-ID: <008f01c318ce\$4cd59060\$5f2a4b43@roycesim>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Can someone point me to the URL describing the RF Probe built in a miniture
phone jack?

Thanks,

Royce

Date: Mon, 12 May 2003 21:55:29 +0000
From: Larry Cahoon <lejek@erols.com>
To: kw1nd.web@homeinternet.net,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [150484] Re: Looking for county/state/country border intersection
activity site
Message-ID: <5.1.0.14.0.20030512215145.00bad610@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Best shot it the County Hunters - mainly they are interested in working and transmitting from the counties, but in the name of efficiency they also transmit quite frequently from county lines. If by chance that is a state border, then so be it. They are not particular. They even have a definition for a county line which is essence says go by the sign unless it is a wet line. On the CW side look for them on 14.056.5, on the SSB side on 14.336. The SSB net is a lot busier then the CW net. <http://www.counterhunter.com> has links to most of what is out there on county hunting.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

At 12:18 PM 5/12/2003 -0600, Mike wrote:

>Greetings, all. Quite some time back, I came across a web site promoting
>radio operation from county, state and country borders & intersections.
>This is not the ARS Top of the World program.
>
>Despite Googling, I can't seem to come up with the magical words to find
>the site. Anyone out there know which site I'm referring to?
>
>73
>
>Mike, KW1ND

Date: Mon, 12 May 2003 17:4:46 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>,
"Elecrafft " <elecrafft@mailman.qth.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [150485] WTT - K2 for SONY Crusoe computer
Message-ID: <412003511222446701@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Looking for one of the ultra-small, light weight SONY VAI0 Crusoe Laptop computers. Interested in trading a K2/100 for one with outfitted with accessories in good condition. Perhaps someone has one you would part with.

If interested, let me know. I can call you to discuss details. Thanks.

73,
--Doc/K0EVZ

Date: Mon, 12 May 2003 18:19:21 -0400
From: john <johnmb@nc.rr.com>
To: QRP-L@lehigh.edu
Subject: [150486] SST-20 question
Message-ID: <3.0.3.32.20030512181921.0298d2d4@pop-server.nc.rr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm building a SST20 (hope to use it "fanny pack" portable on FD) and have been reading all the collective wisdom of mods, etc, via the archives a couple of folks have kindly maintained on the web.

I ordered a 18Mhz rock to extend the tuning range, but I now wonder whether I needed to specify series or parallel resonance.

Anyone know? I think Ocean State has 'em cheap

73 and thank you
John K5M0

Date: Mon, 12 May 2003 15:13:41 -0700
From: <mm1esg@compuserve.de>
To: unlisted-recipients;; (no To-header on input)
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [150487] Re: advice on operation in Germany?
Message-ID: <840e472d.472d840e@compuserve.de>
MIME-Version: 1.0
Content-Language: de
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

There is a group coordinated by the ARRL which lets visiting Hams stay. There are dozens of members in DL (in case you would like to meet some folks). Bring your 2m FM rig (there are only few repeaters and 2 m is limited from 144 to 146 mhz).

GL es 72,
Chris kf6vci
P.S.: dialling 01081 001 ... lets you call home for about 3.5 \$
cent/min!

----- Originalnachricht -----

Von: WJuergens@t-online.de (Wolf-Ruediger Juergens)

Datum: Montag, 12. Mai 2003 8:41 am

Betreff: Re: advice on operation in Germany?

> Hello Mike,
> Only your license is need, your call should be DL/KD5CMN/p.
> Working 20m is not so efficient at the moment 20m is in not so
> good
> conditions, better you plan to operate 40m too.
> A MP1 is a usefull antenna for portable use. For bigger antennas
> is seldom
> space in the hotels.
>
> Here is a link to the Karlsruhe HAM section of the DARC.
> <http://www.karlsruhe.de/Home/DARC-OVA07/index.htm>
> You can try contact Stephan Erat, DH2ES, e-mail: dh2es@darcd.de.
> I wish you a nice stay in germany and would be glad if we can have
> meetingin Friedrichshafen and a QRP<->QRP QSO. :-)
>
> 72 de Wolf, DL2WRJ
> --
> Today is the tomorrow you worried about yesterday.
> (/usr/games/fortune)
>

Date: Mon, 12 May 2003 16:38:05 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: David Hinerman <WD8CIV@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [150488] Re: Need definition please
Message-ID: <Pine.LNX.4.44.0305121634440.2686-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Unless Vcc and Vee are defined on the schematic you have zero reason to

make either the plus or minus voltage. I would trace back to where the power supply regulators are shown and track it to Vcc and Vee and get a better guess.

There can be 3 or 4 types of Ground too...:-)

On Mon, 12 May 2003, David Hinerman wrote:

```
> At 03:49 PM 5/12/2003 -0400, you wrote:
> >OK, while I admit the internet has a wealth of information for the picking,
> >I can't seem to word this right on GOOGLE and get an answer.
> >
> >On an electronic schematic what does the term Vee represent???????
>
> Tom,
>
> Vee generally refers to a negative supply voltage. I think the 'e' means
> 'emitter.' Vcc ('c' for 'collector') is the matching positive voltage. The
> polarities imply a bipolar NPN transistor bias.
>
> In FET circuitry, Vss would be the negative (source) voltage and Vdd the
> positive (drain) voltage.
>
> I'm sure I'm overlooking something, but this is usually how I read them.
>
> Dave
>
>
> >The schematic I'm studying uses a split 6 volt power supply (+/- 6 Volts)
> >and some connections are labled Vcc and some are labled Vee. My thinking is
> >to put the positive voltage on Vcc and the negative on Vee. Is this correct?
> >
> >Also is there a source on the net for schematic notation standards? I looked
> >but can't seem to find anything and was curious.
> >
> >Thanks in advance,
> >
> >de Tom kf4yyd
>
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>
>
```

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

End of QRP-L Digest 2918
